

FIG. 1(a)

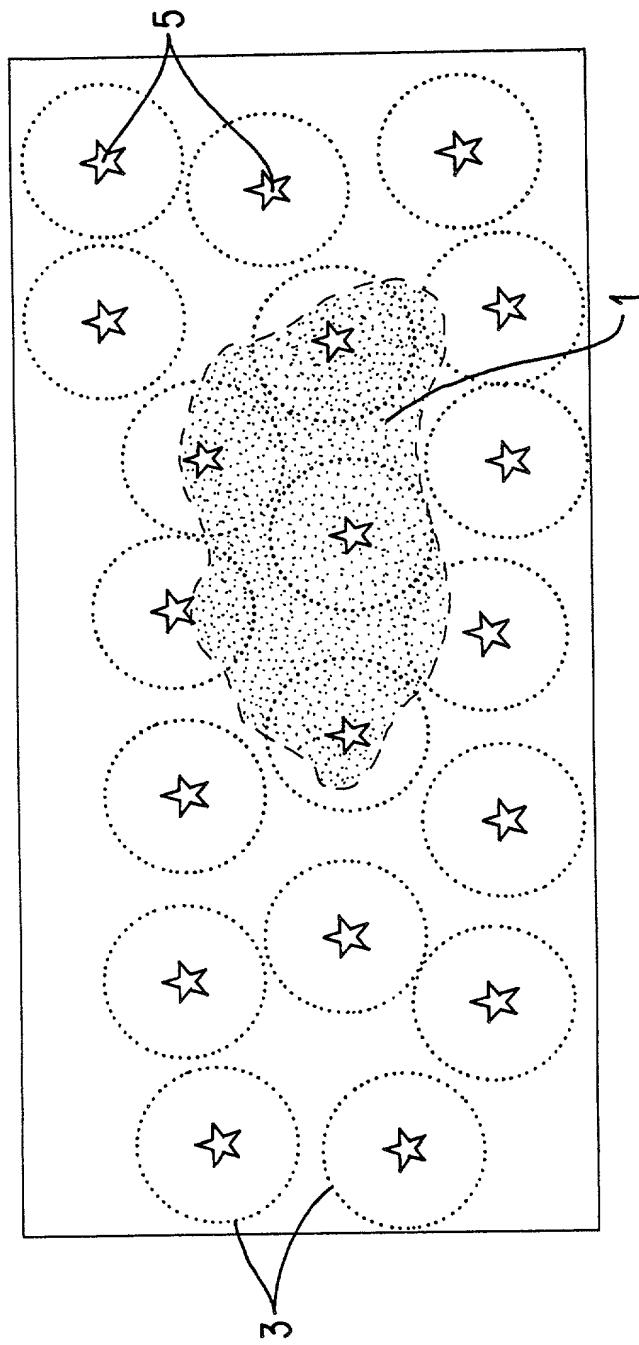


FIG. 1(b)

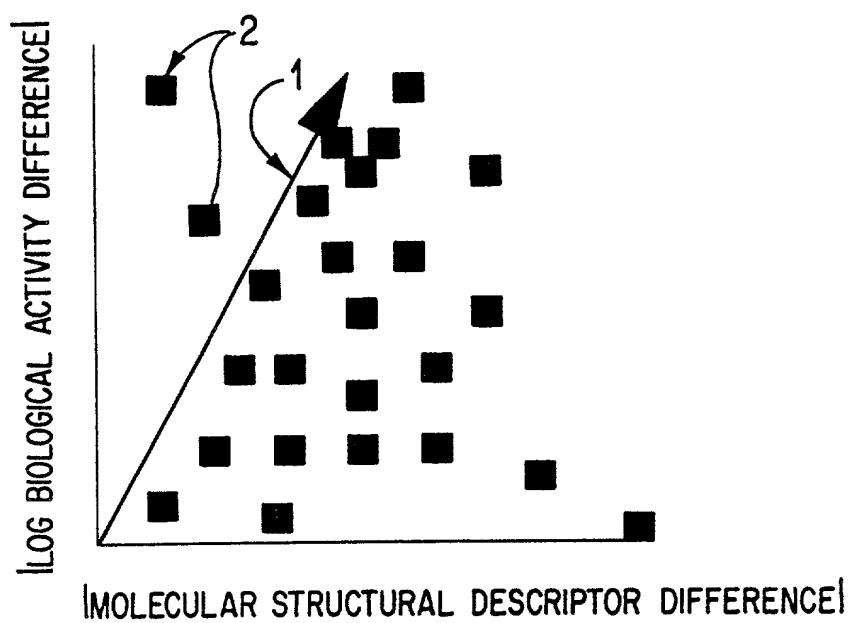


FIG. 2

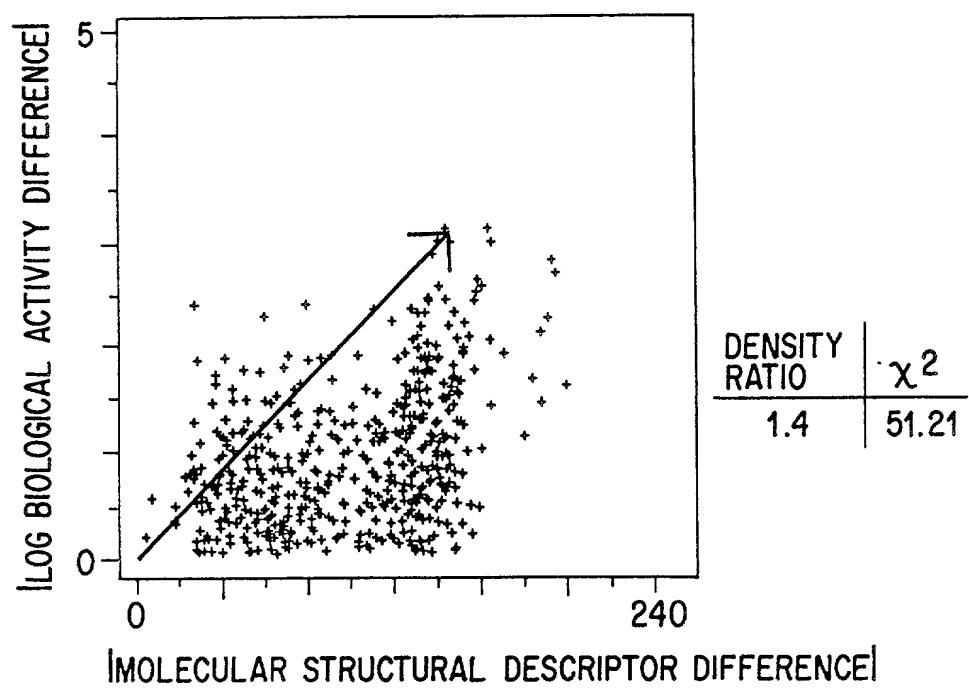


FIG. 3

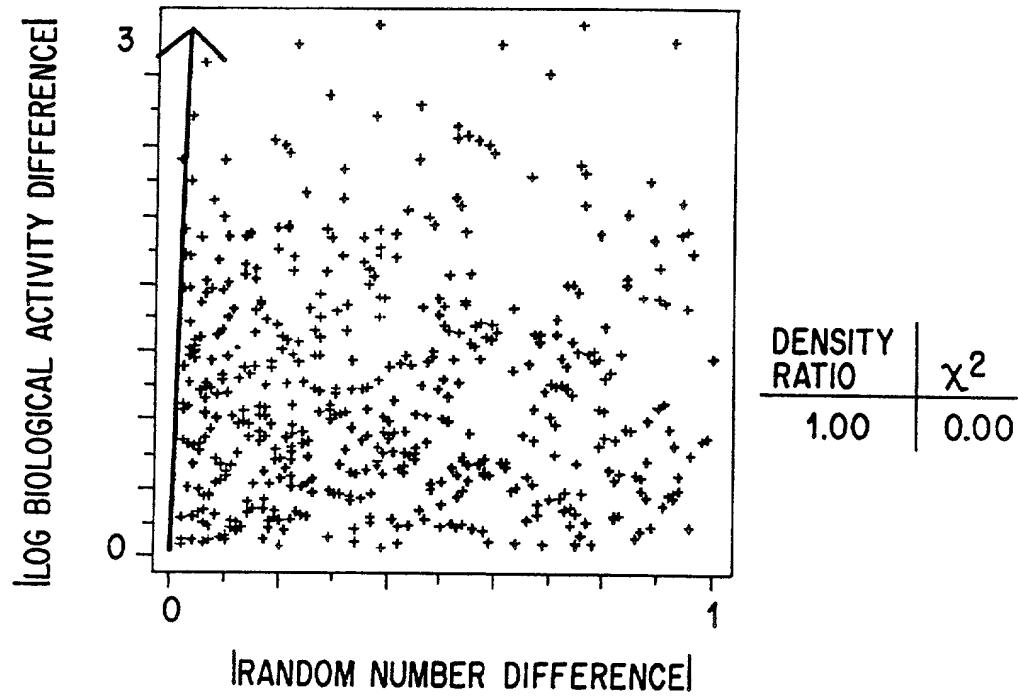


FIG. 4

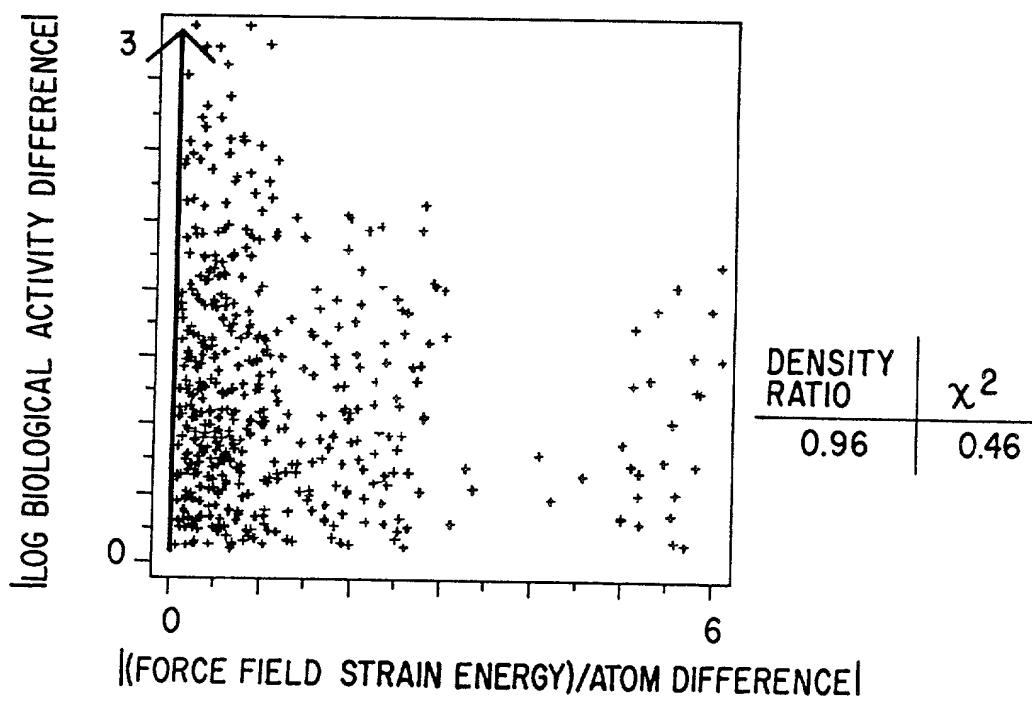
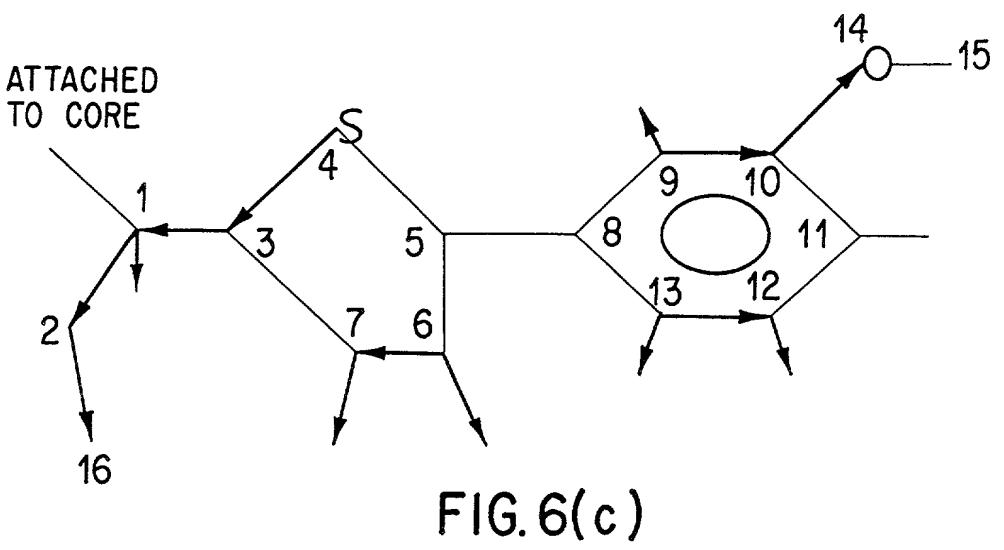
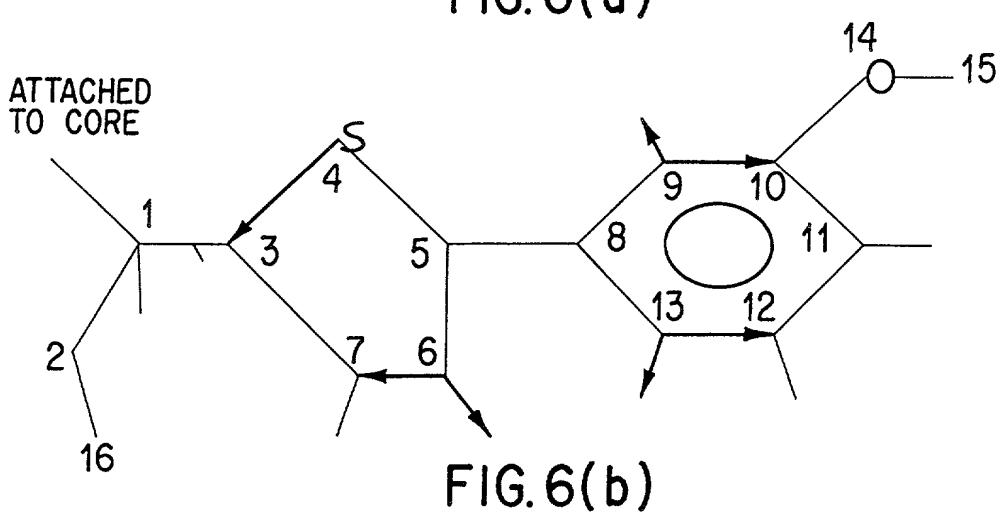
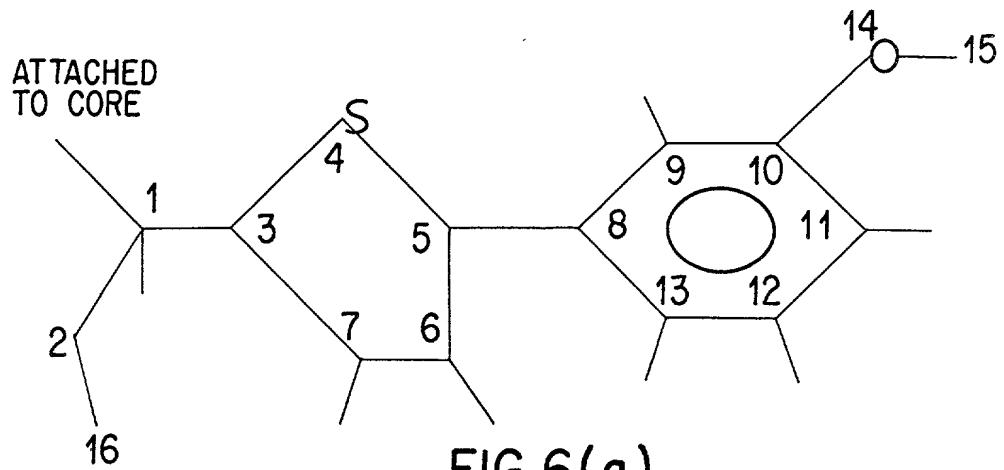


FIG. 5



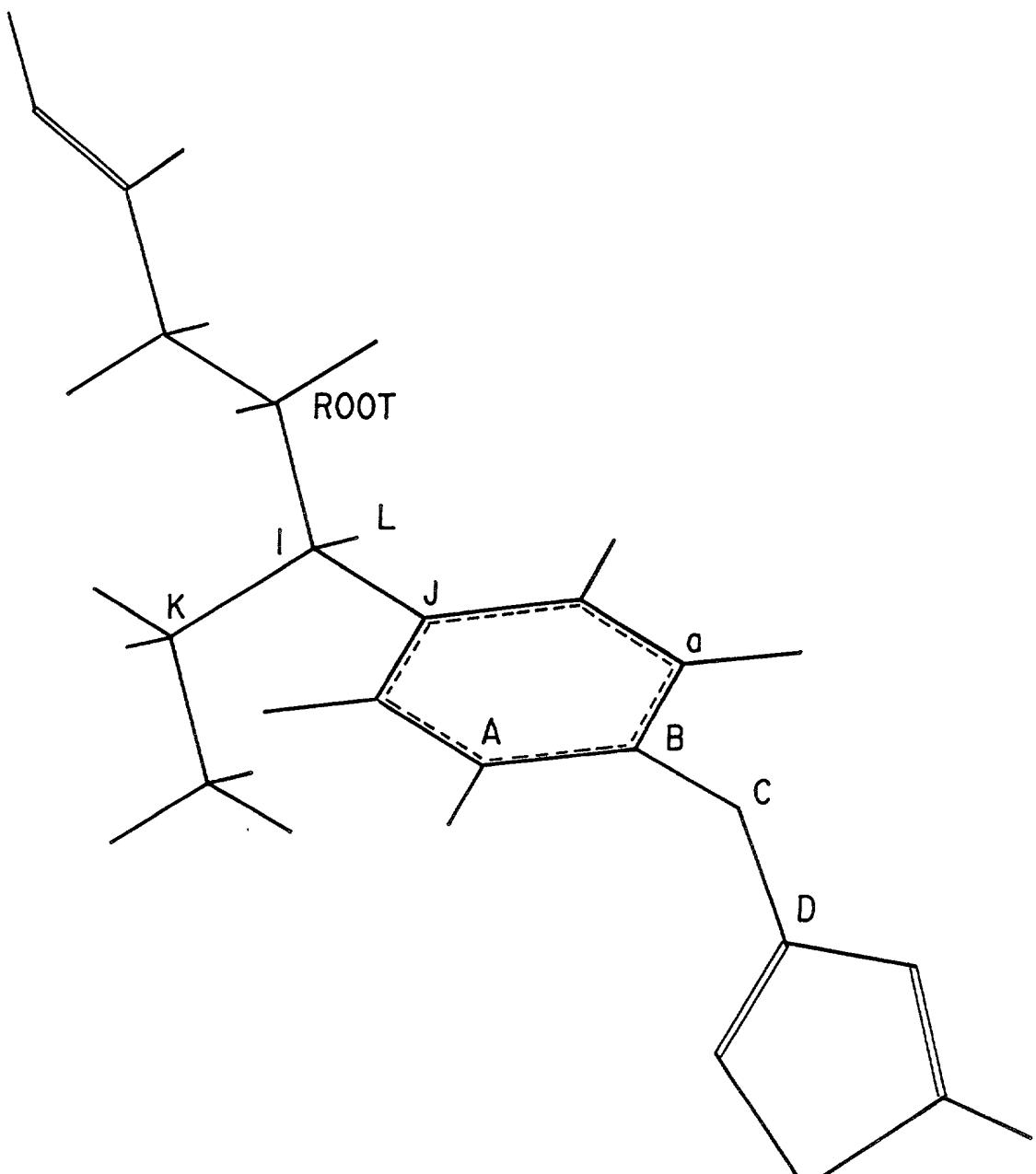


FIG. 6(d)

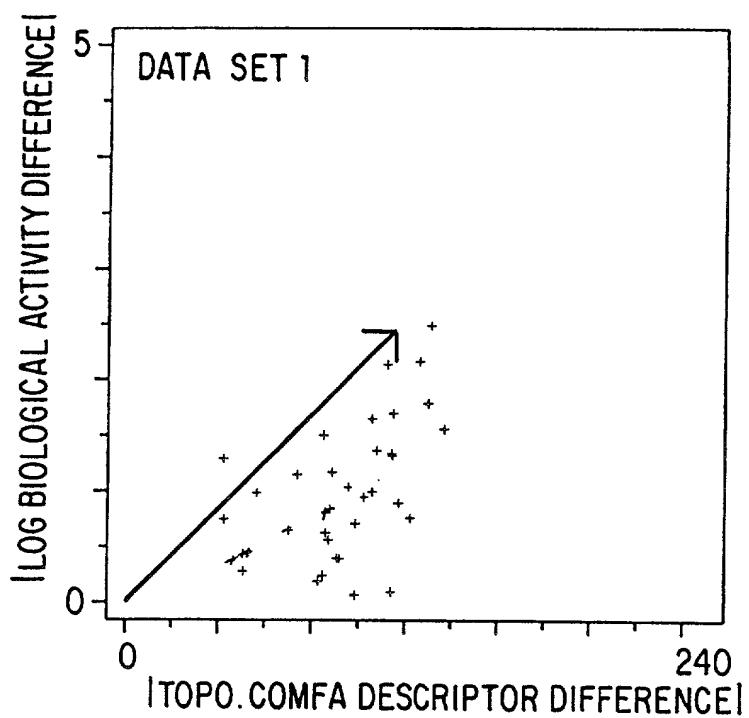


FIG.7(a)

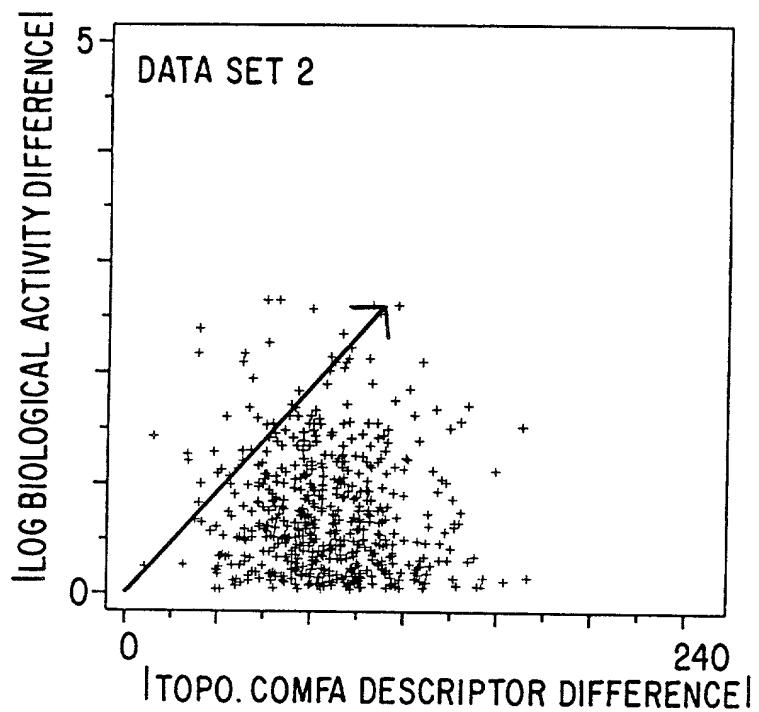


FIG.7(b)

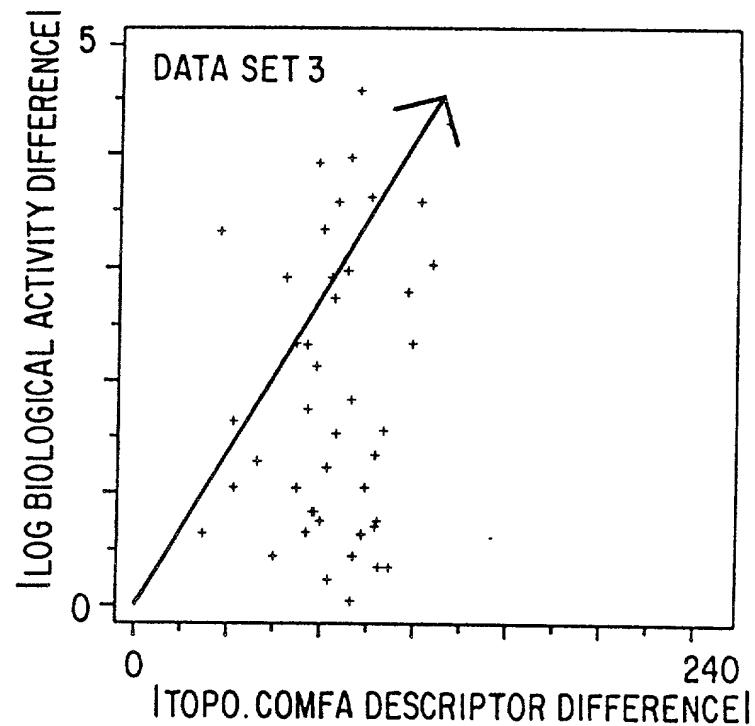


FIG. 7(c)

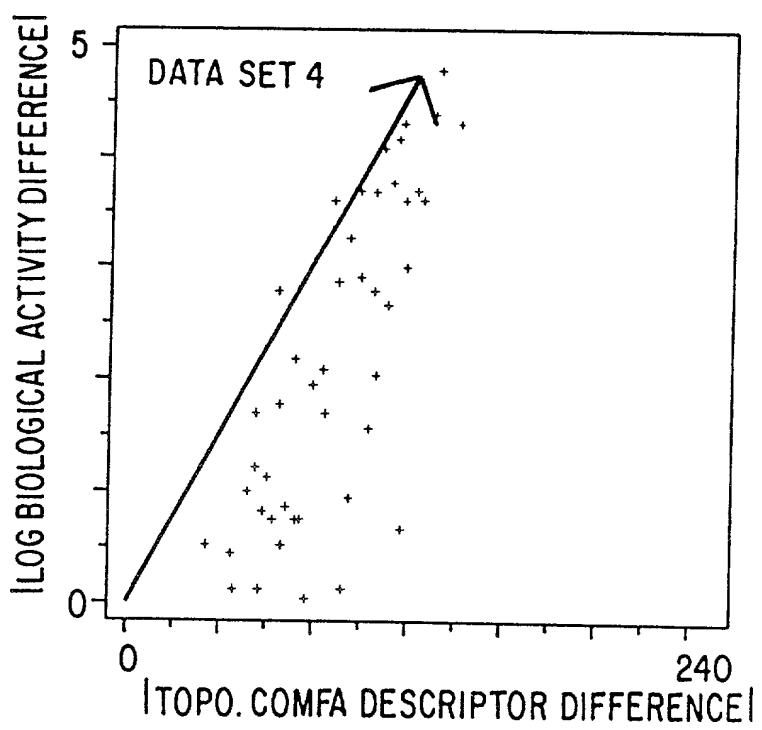


FIG. 7(d)

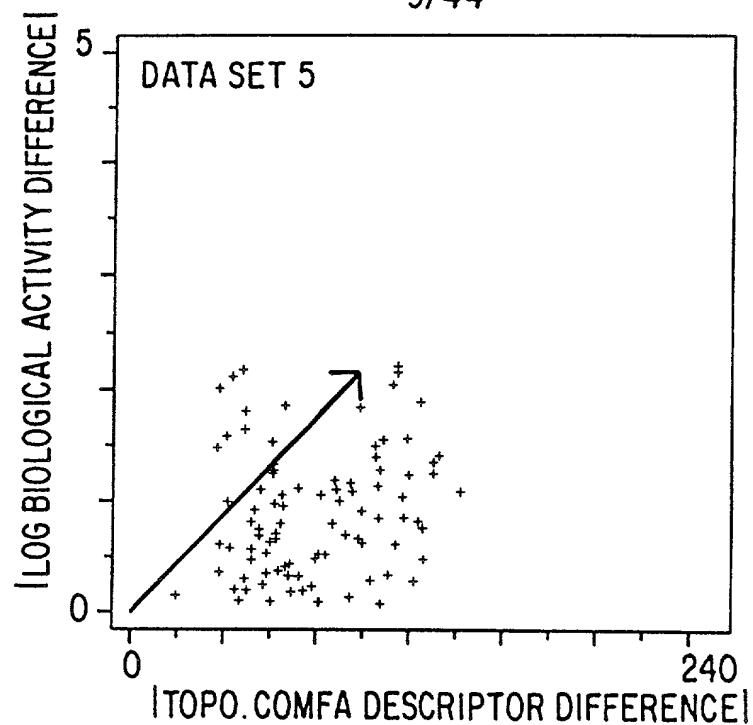


FIG.7(e)

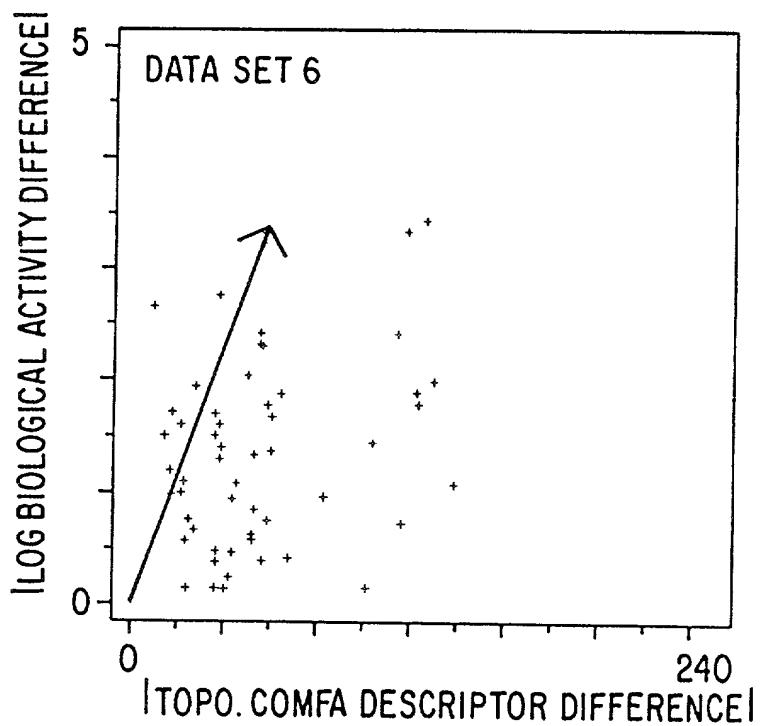


FIG.7(f)

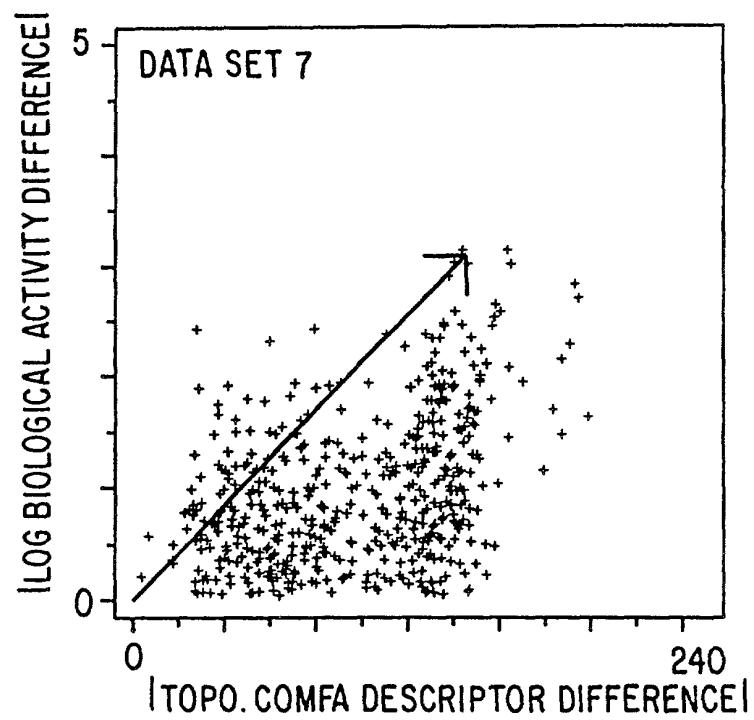


FIG.7(g)

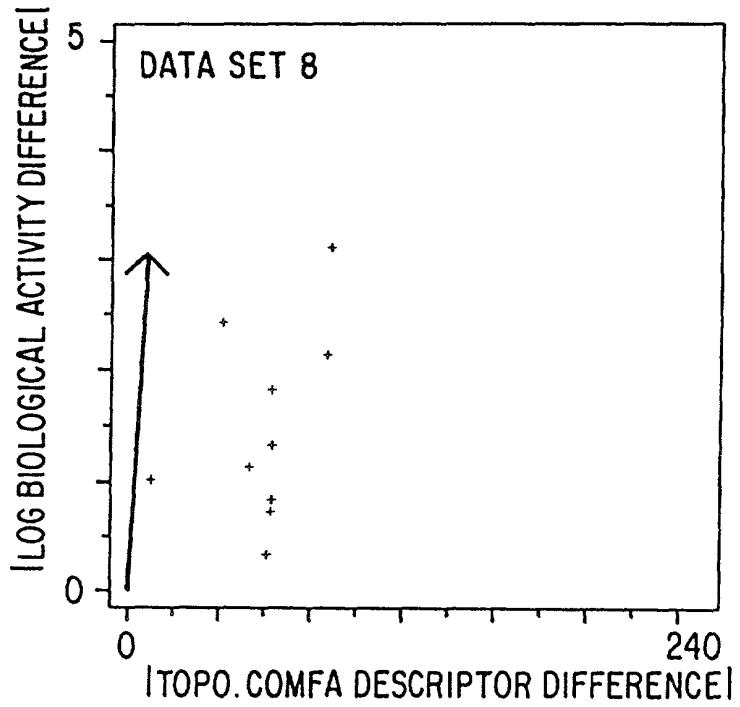


FIG.7(h)

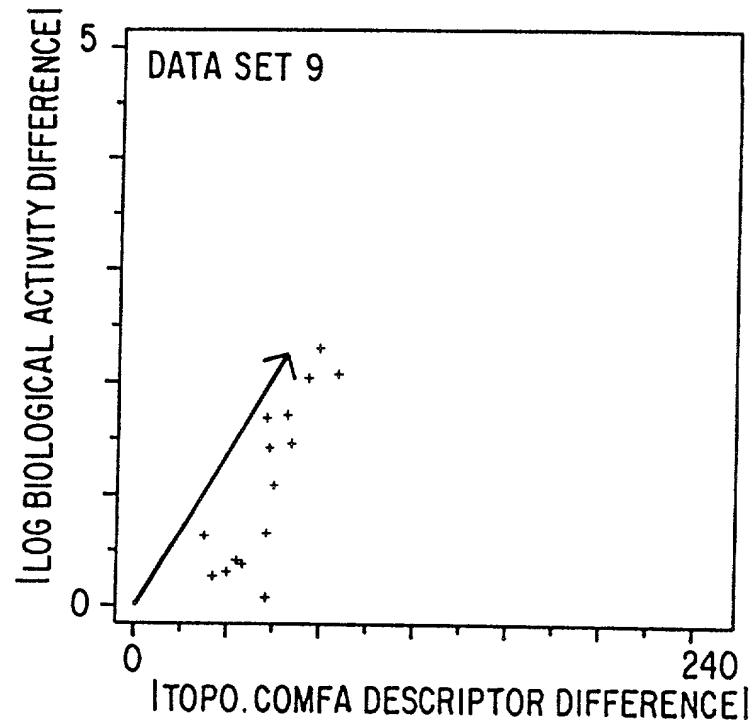


FIG.7(i)

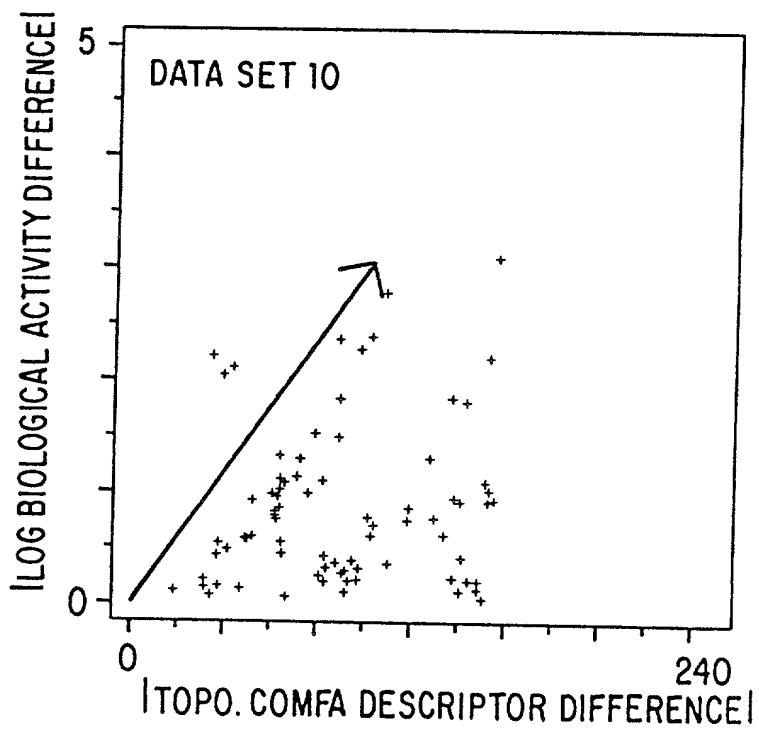


FIG.7(j)

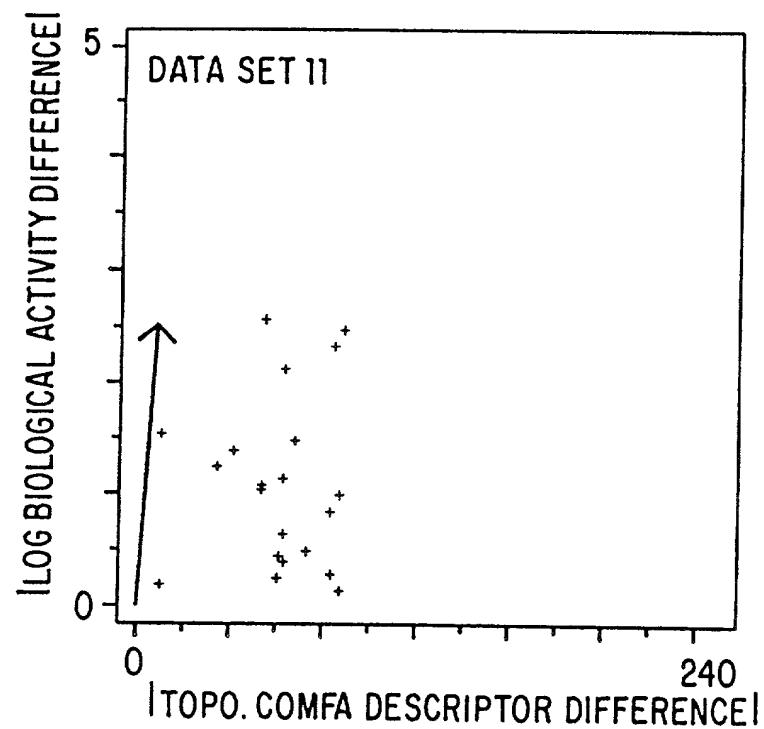


FIG.7(k)

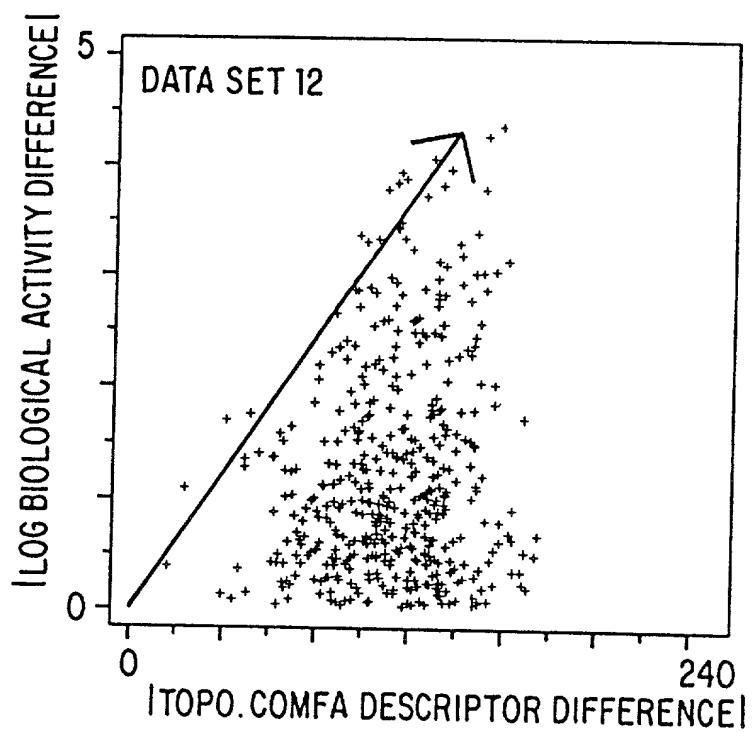


FIG.7(l)

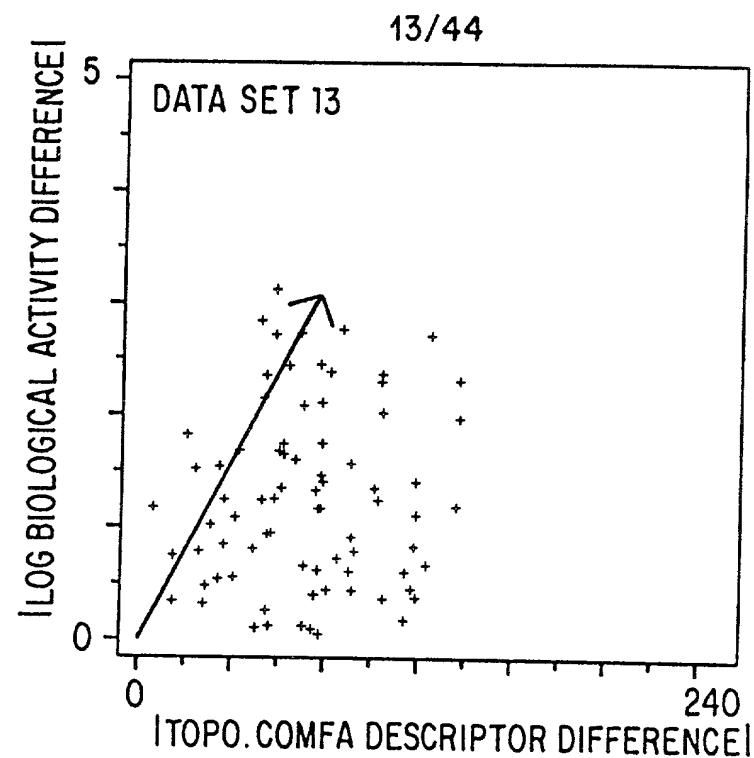


FIG. 7(m)

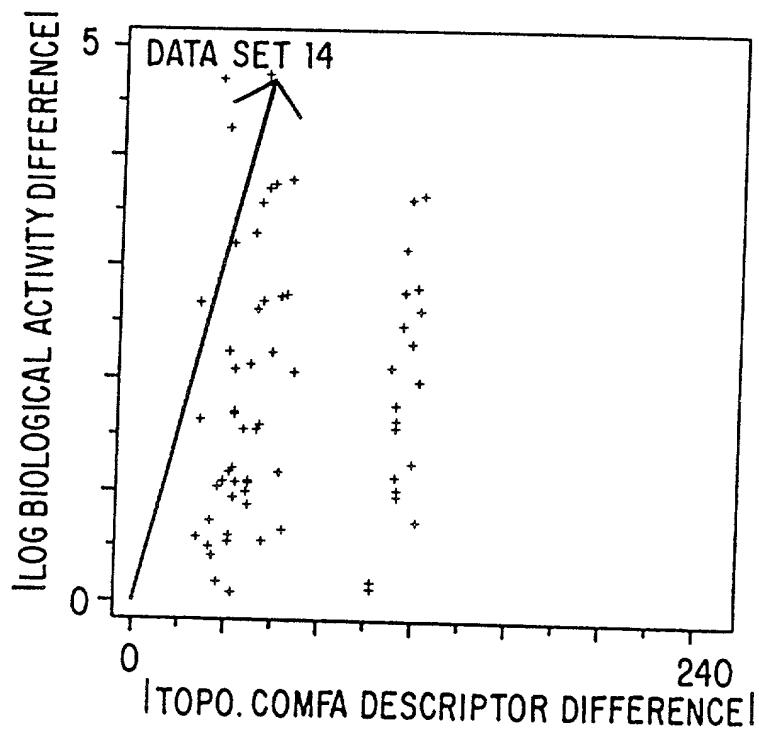


FIG. 7(n)

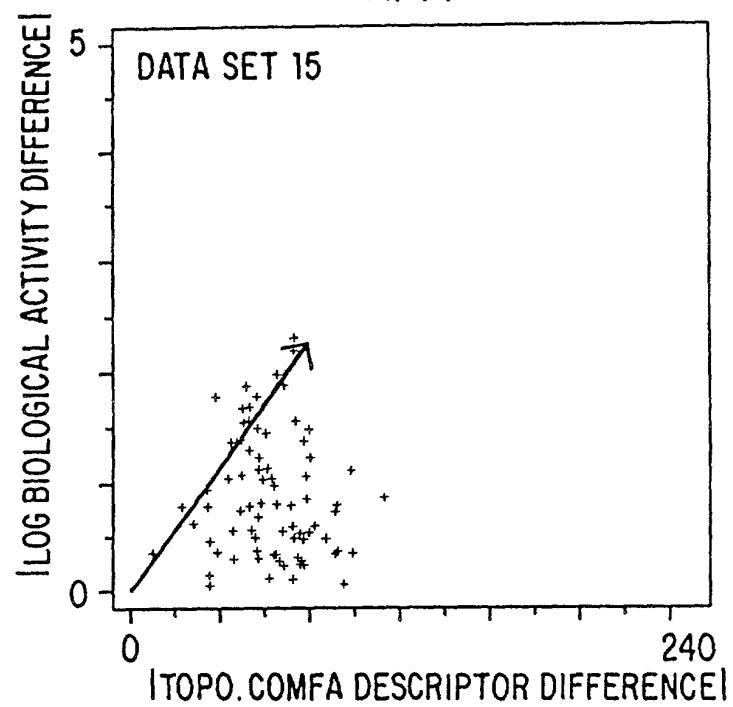


FIG.7(o)

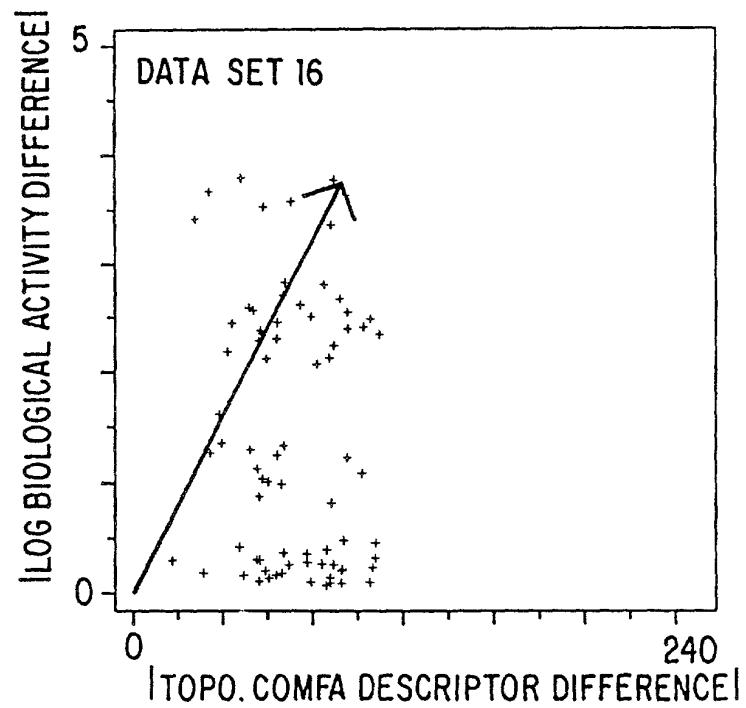
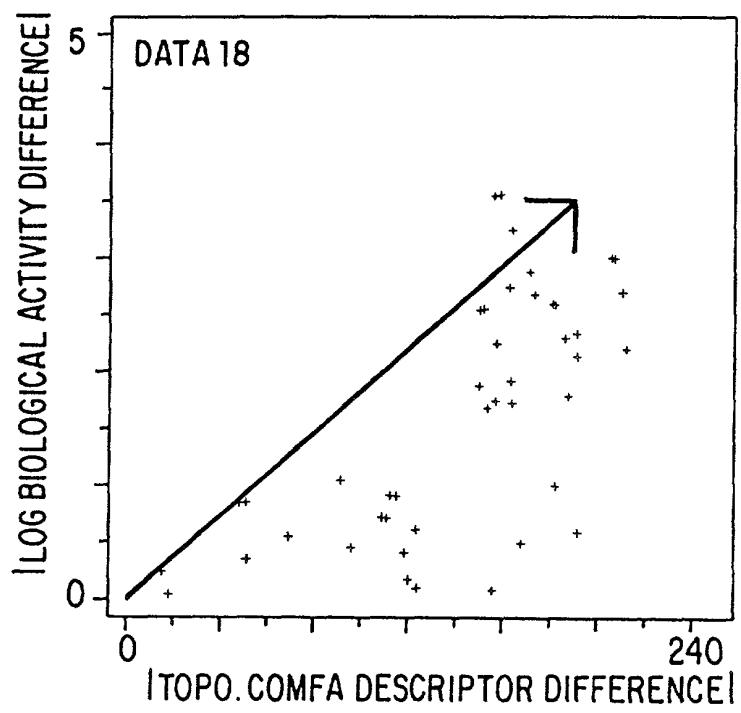
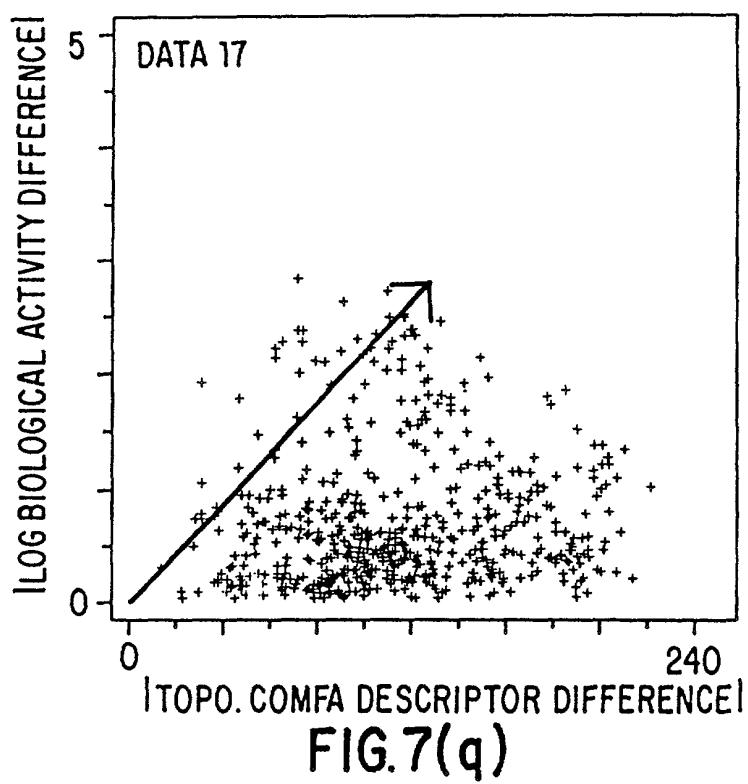


FIG.7(p)



**FIG.7(r)**

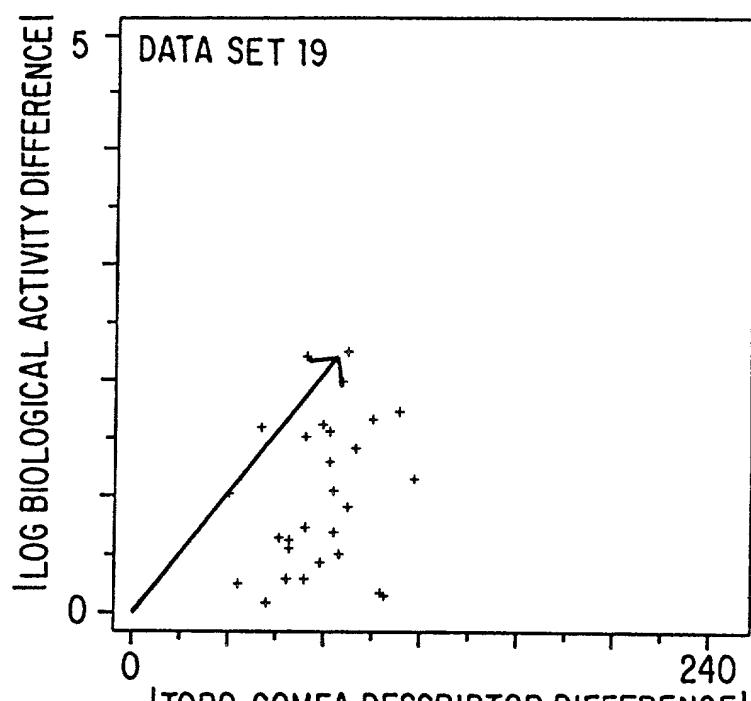


FIG. 7(s)

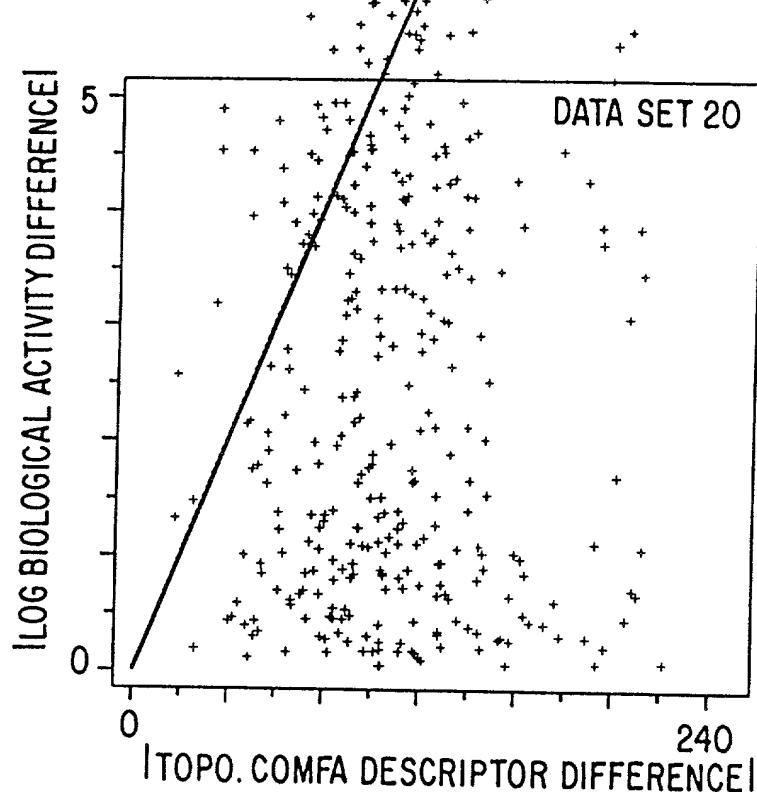
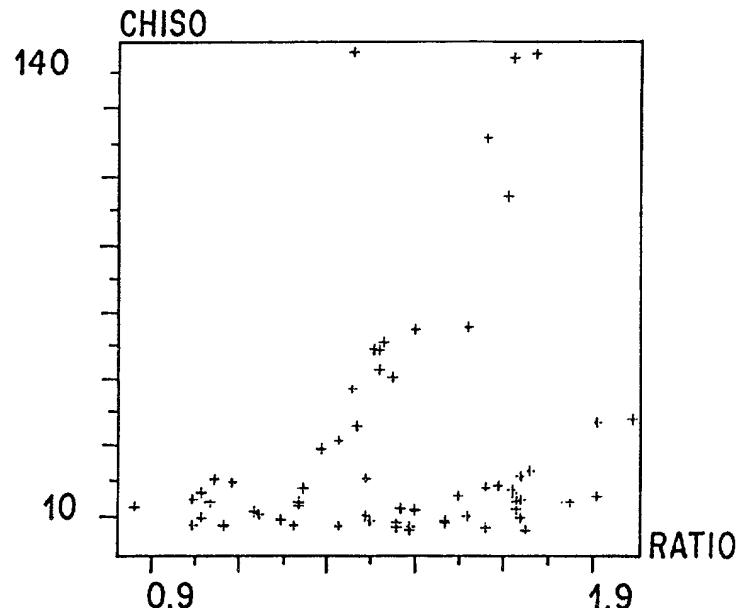
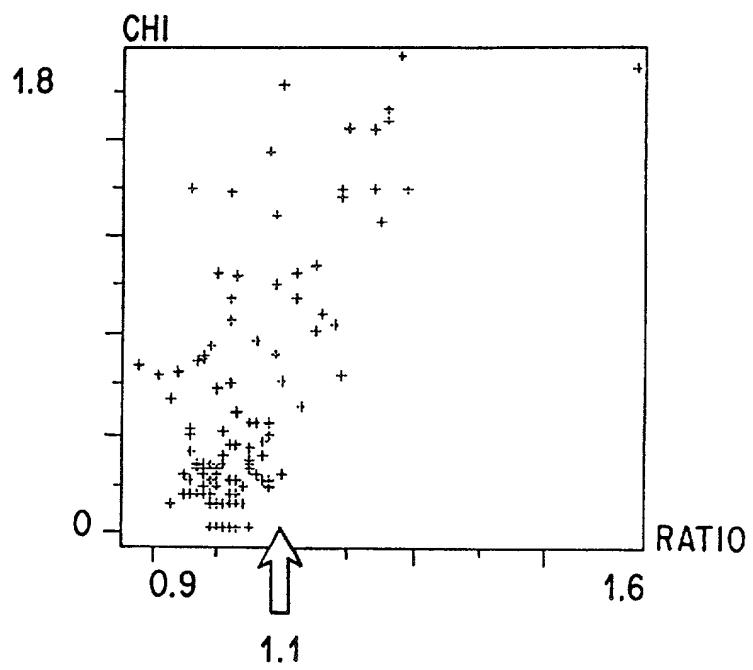


FIG. 7(t)



↑  
1.1

FIG. 8(a)



↑  
1.1

FIG. 8(b)

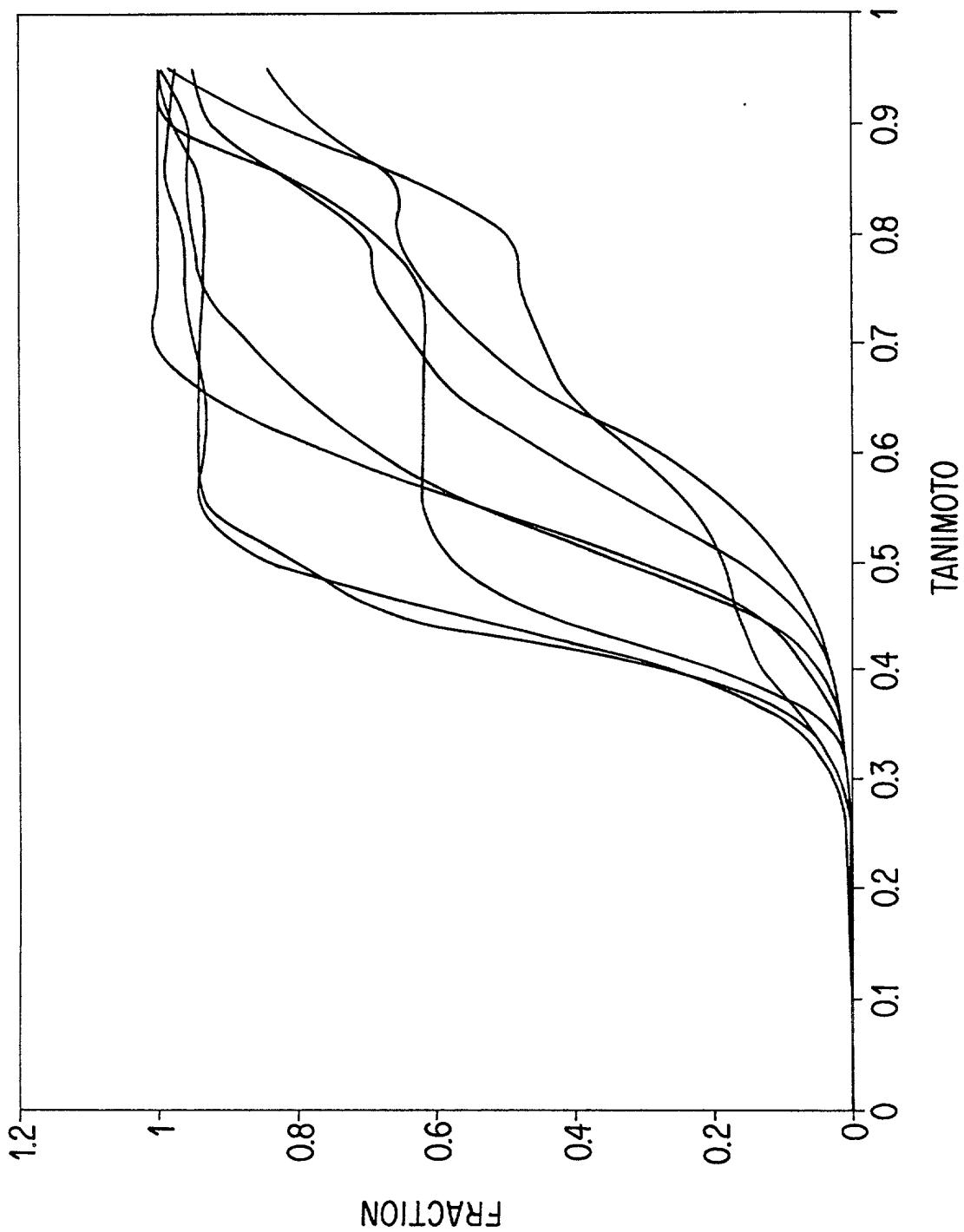


FIG. 9(a)

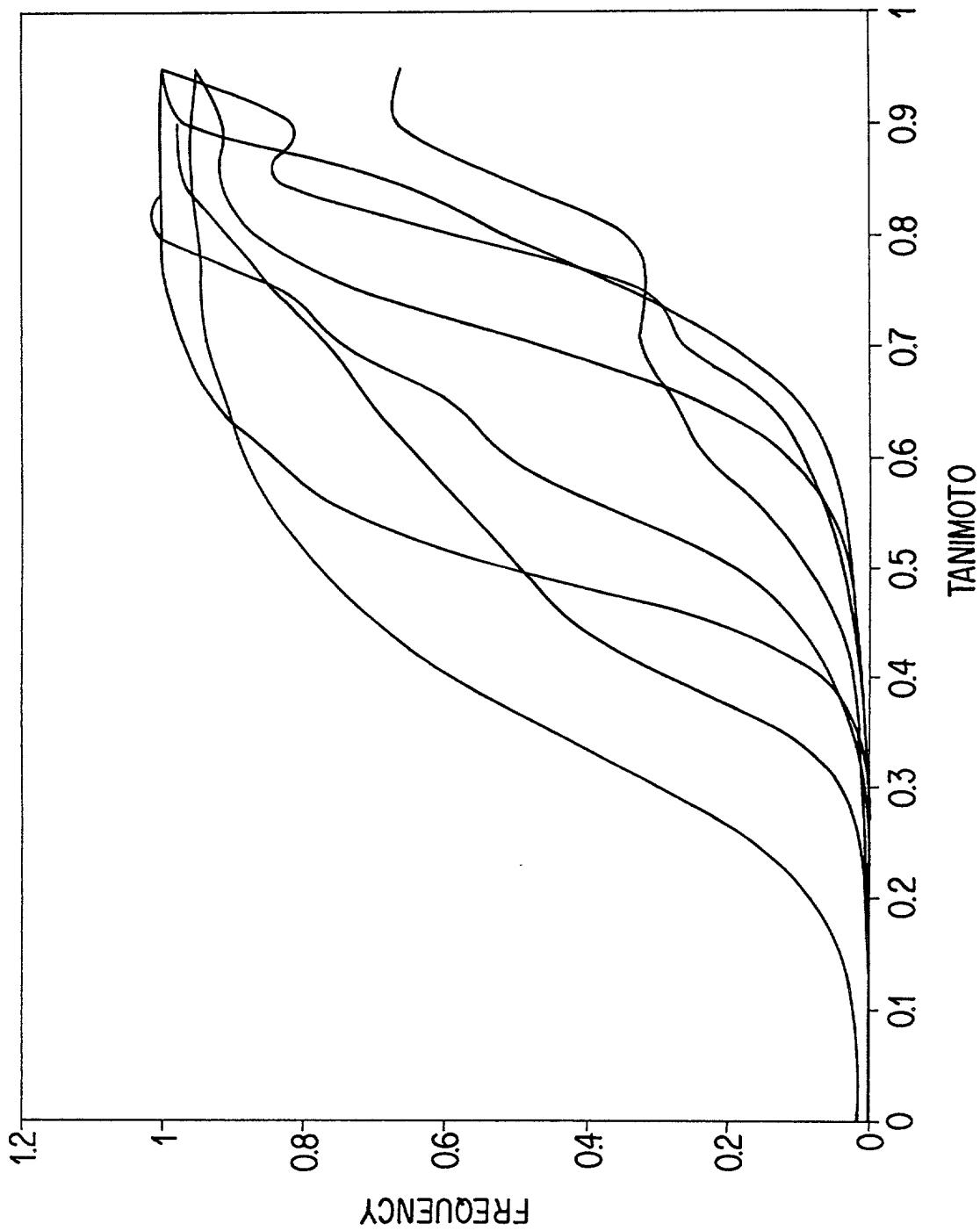


FIG. 9(b)

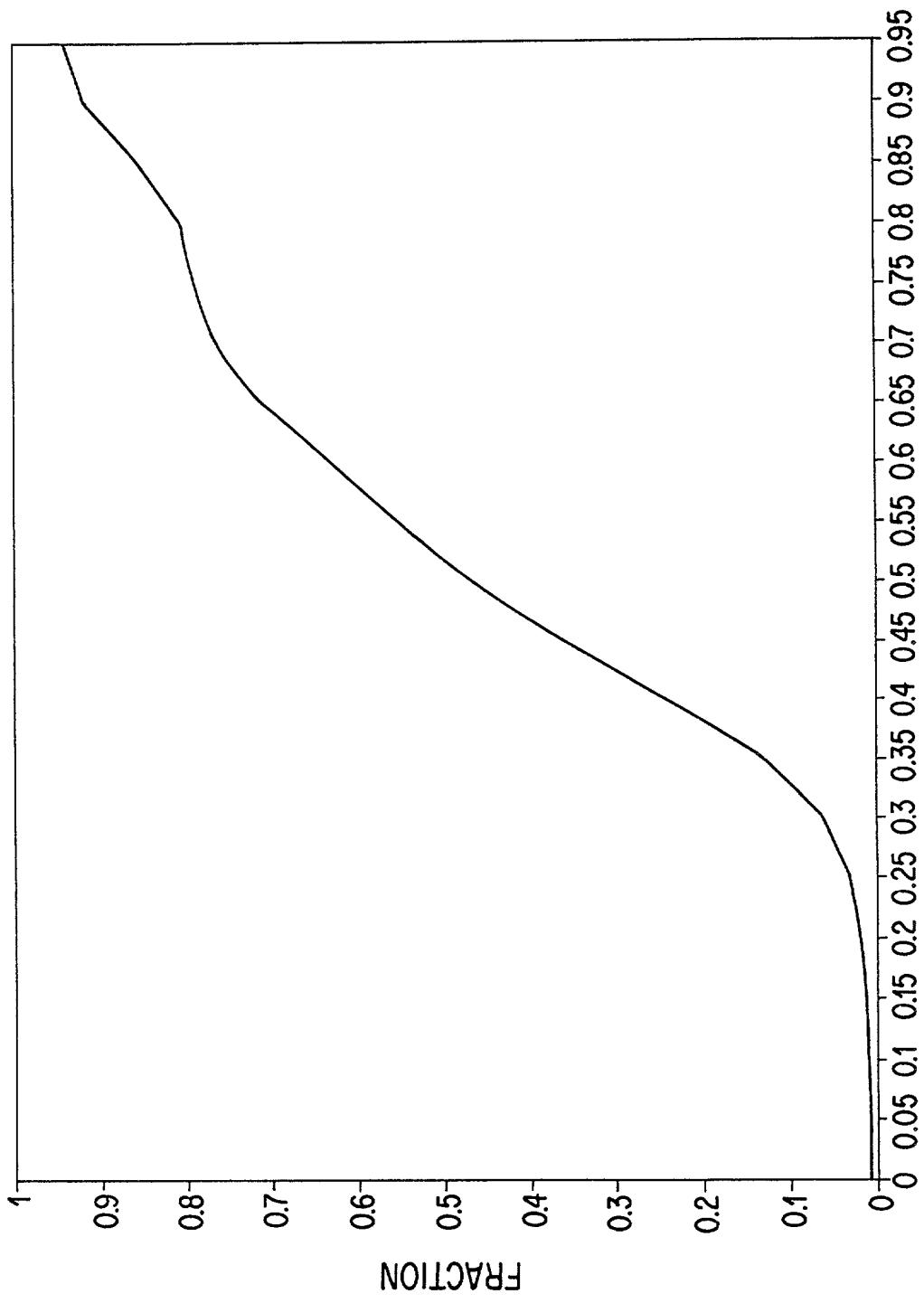


FIG. 9(c)

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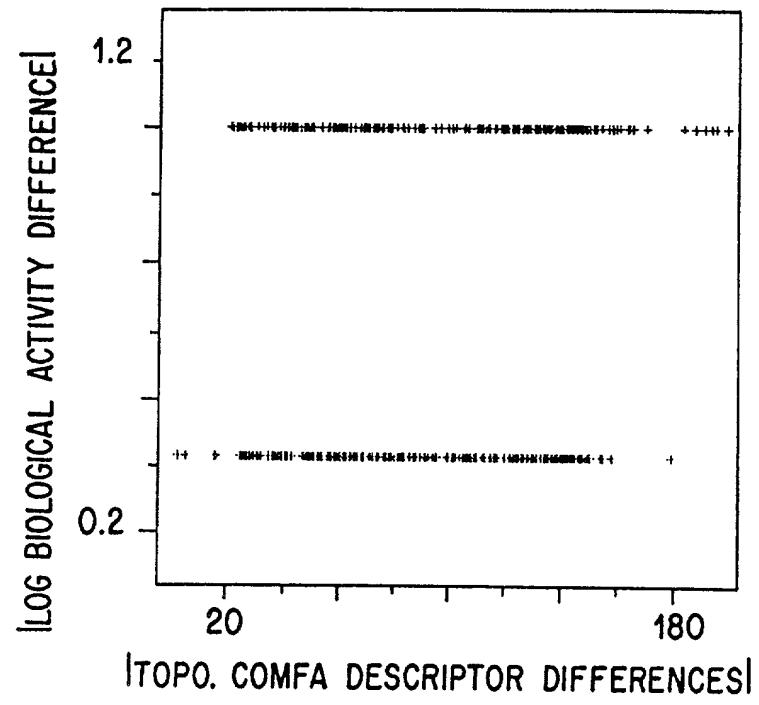


FIG.10(a)

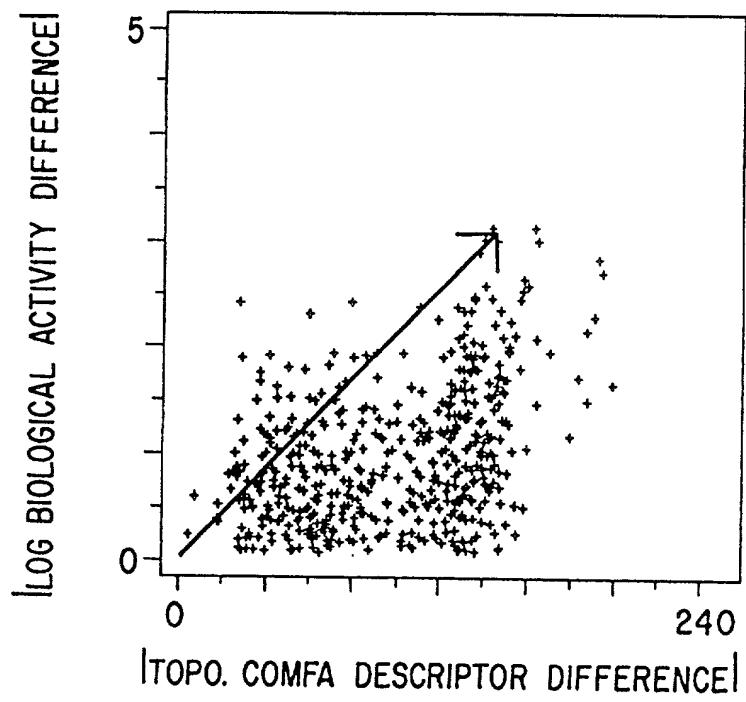


FIG.10(b)

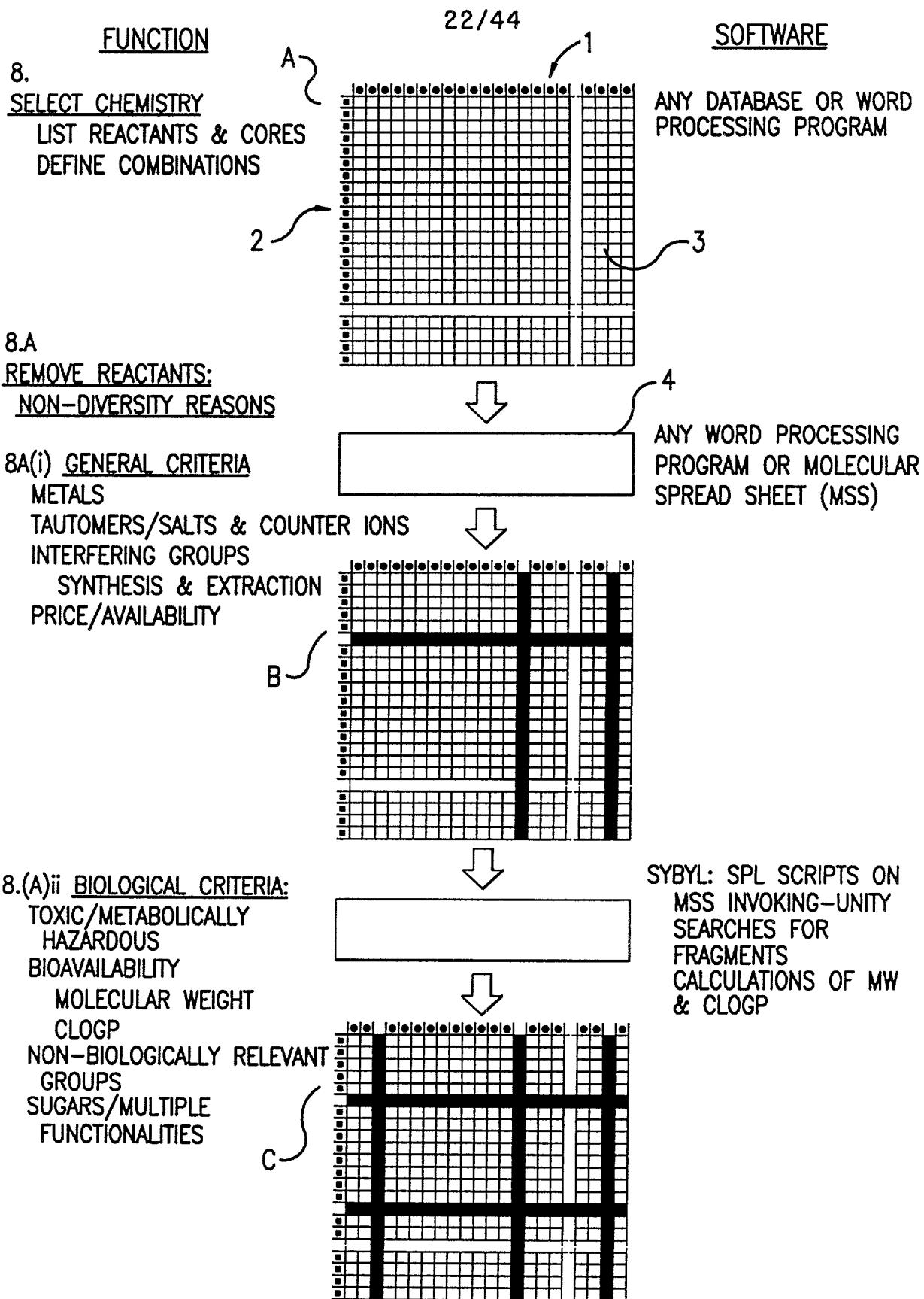


FIG.11(a)

8B

23/44

REMOVE NON-DIVERSE REACTANTS:

3D STRUCTURE GENERATION

TOPOMERIC CONFORMER

ALIGNMENT

COMFA FIELD GENERATION:

HYDROGEN BOND FIELD

GENERATION

ROTATABLE BOND FIELD

ATTENUATION

CALCULATE FIELD  
DIFFERENCES

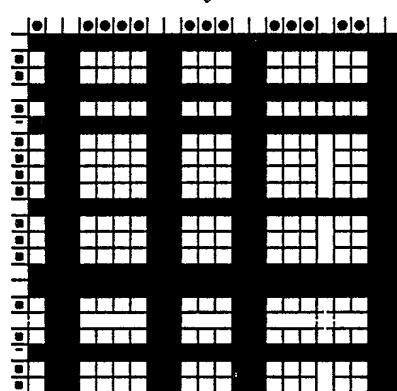
CLUSTER

REACTANT SELECTION FROM  
EACH CLUSTER



SYBYL: SELECTOR &  
CONCORD 3.2.1  
SPECIALIZED SOFTWARE:  
APPENDIX "A"  
(SYBYL: COMFA  
STERIC & MSS)

SYBYL: HIERCHICAL  
CLUSTER - MSS  
SYLBL: MSS



D ~

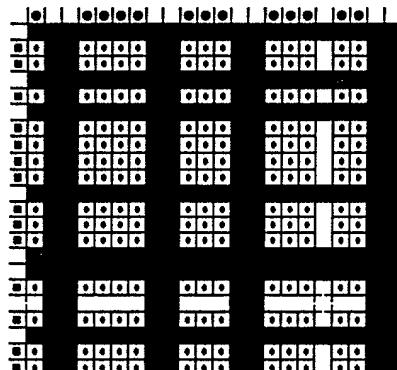
8C

COMBINE REACTANTS TO BUILD PRODUCTS



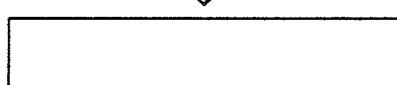
SYBYL: LEGION MSS

E ~



8D

REMOVE PRODUCTS:  
NON-DIVERSITY REASONS



GENERAL CRITERIA:

F ~

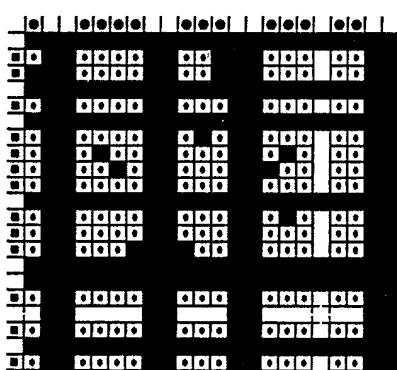


FIG.11(b)

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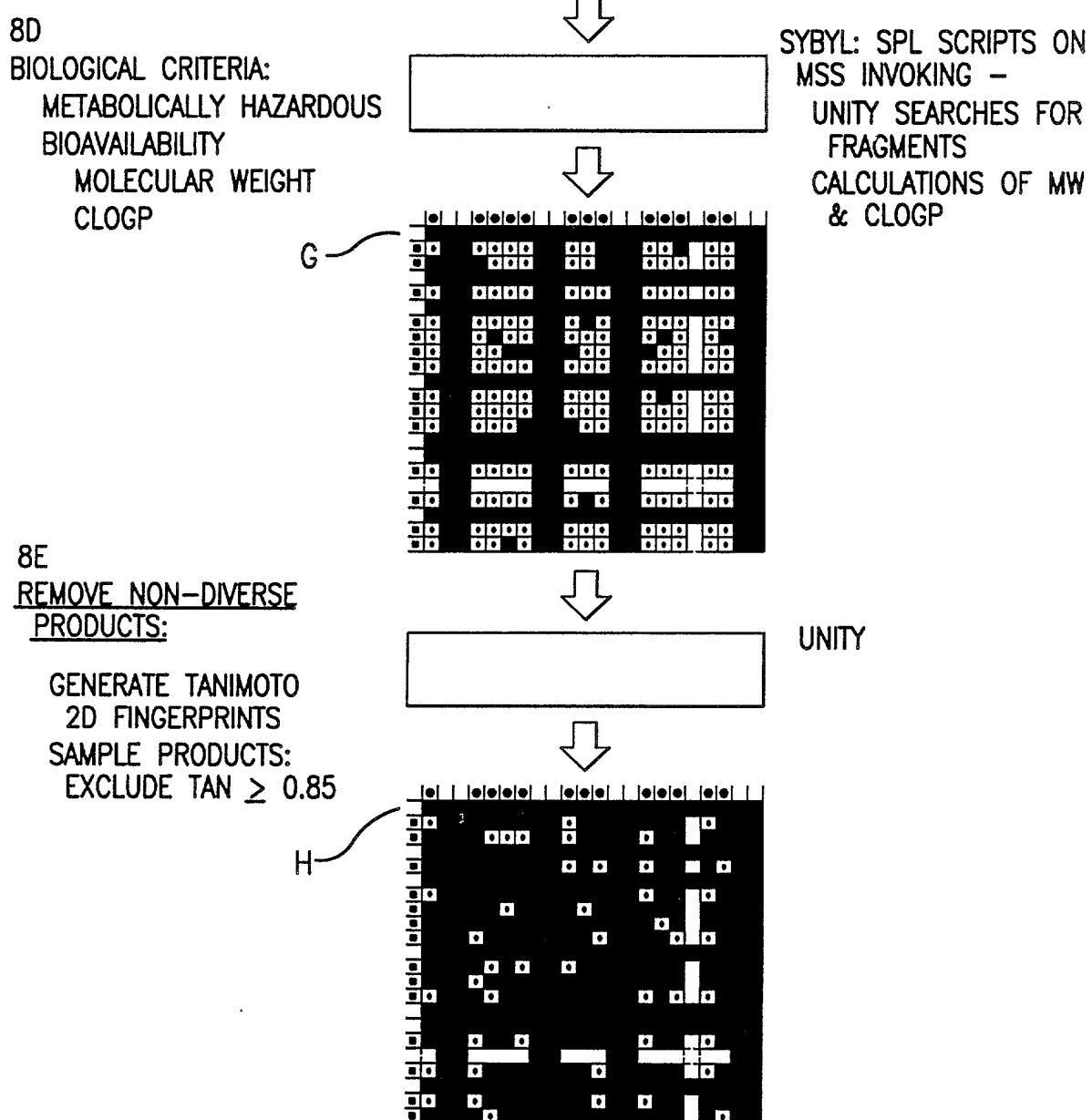
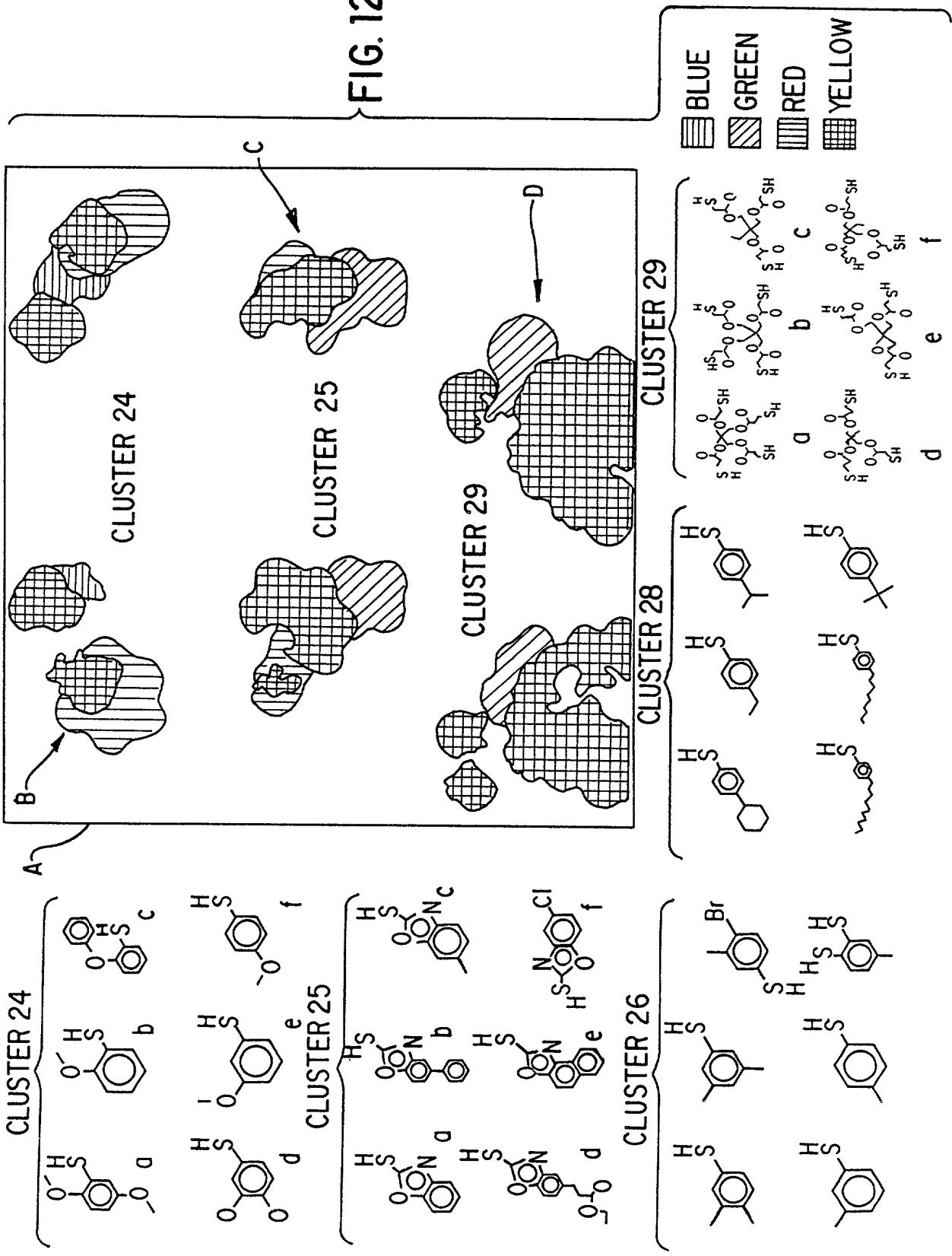


FIG.11(c)

FIG. 12



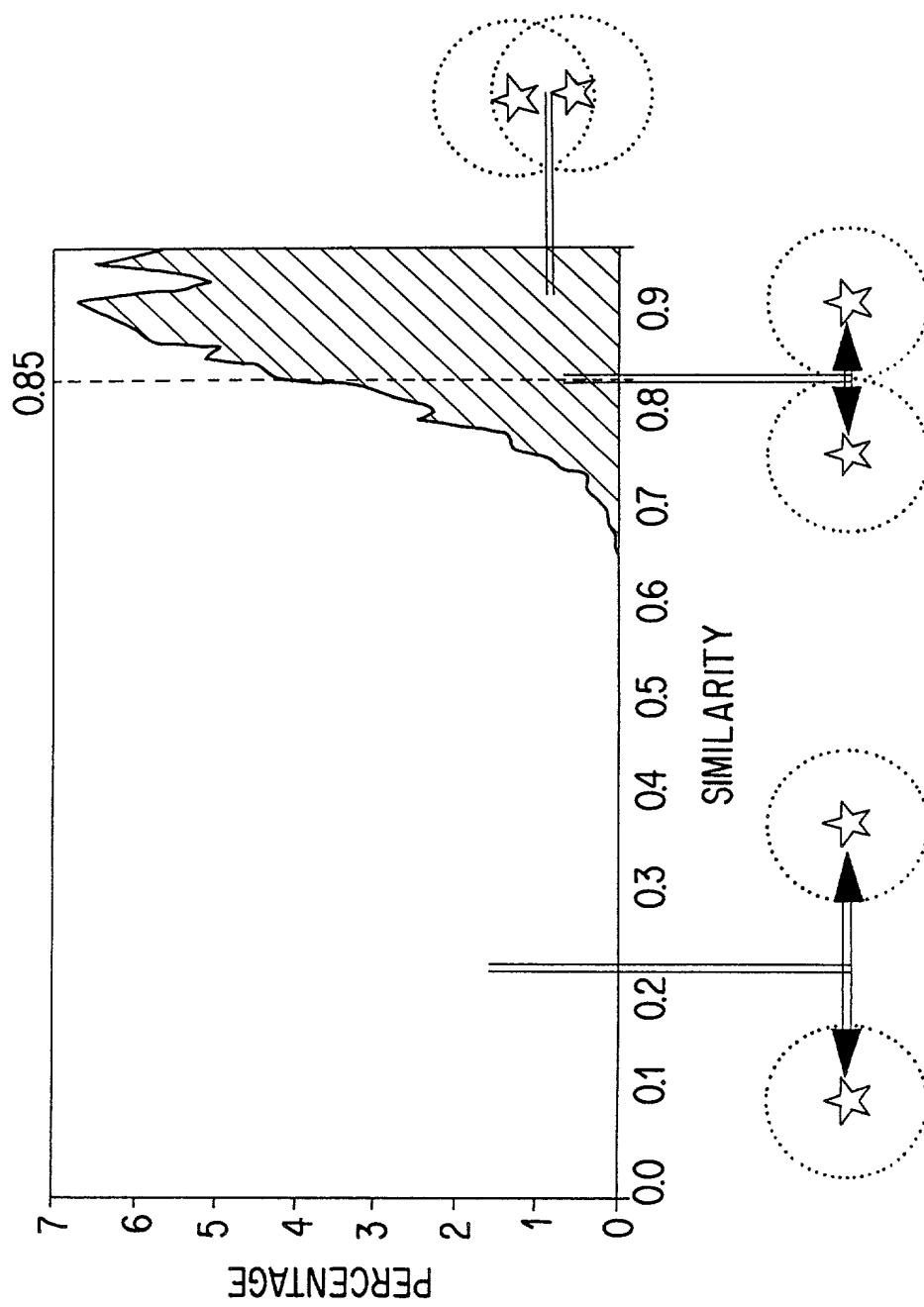


FIG. 13

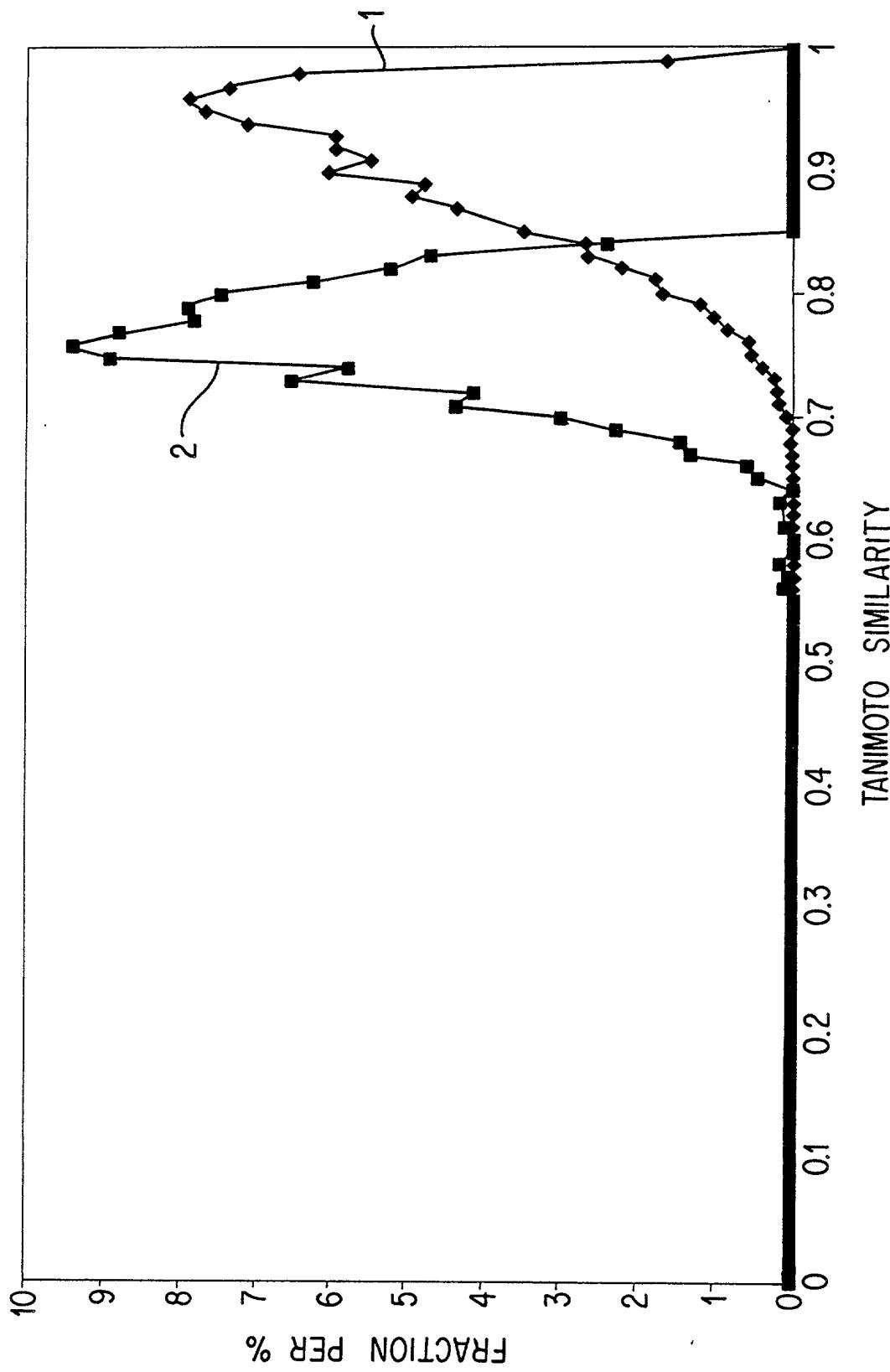


FIG. 14

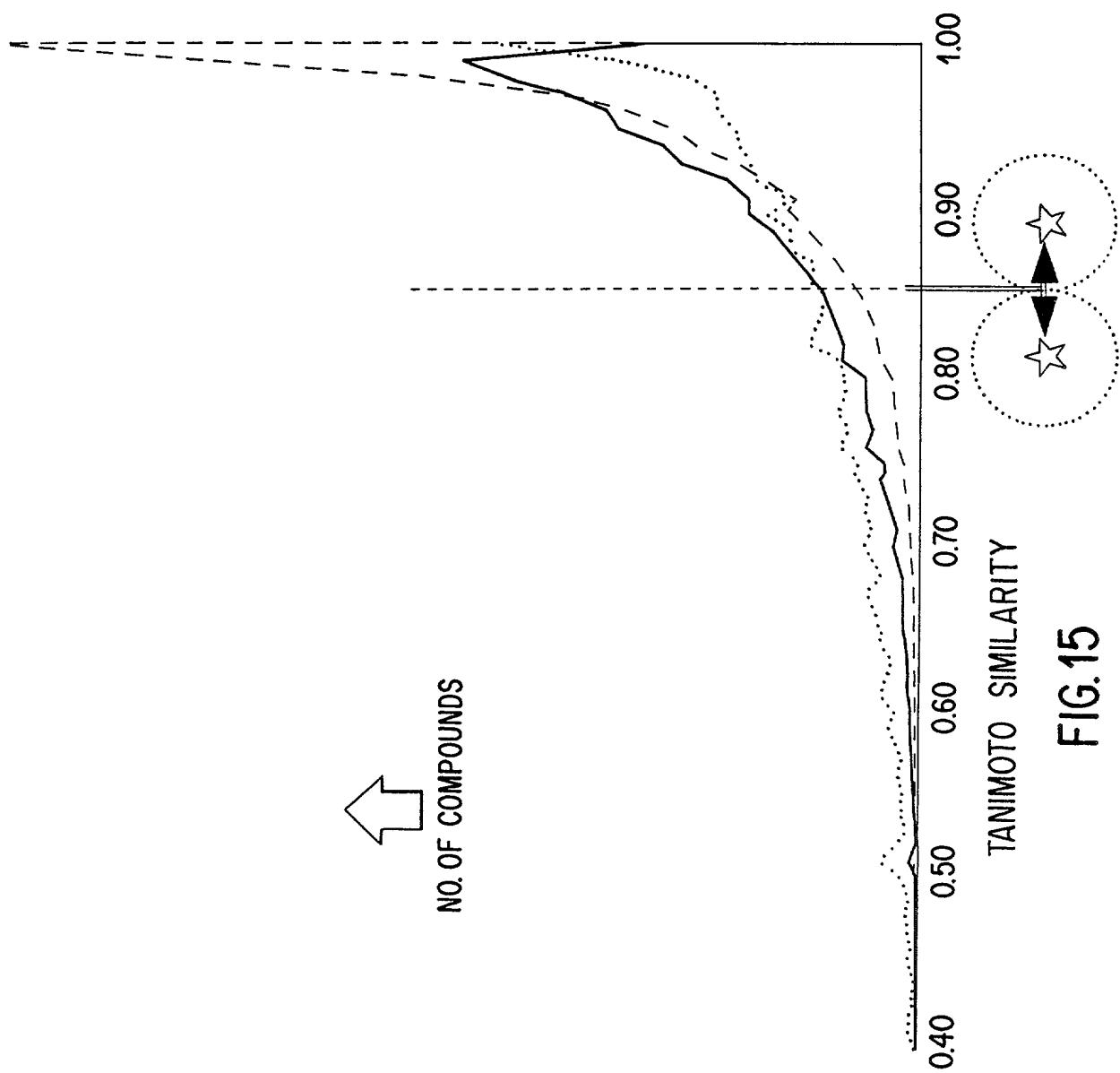
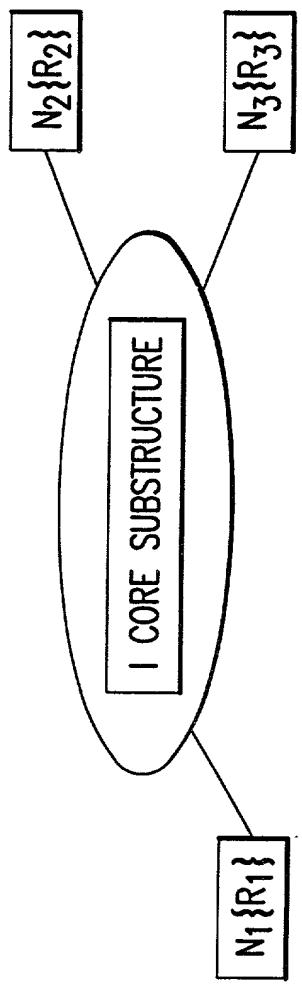


FIG. 16



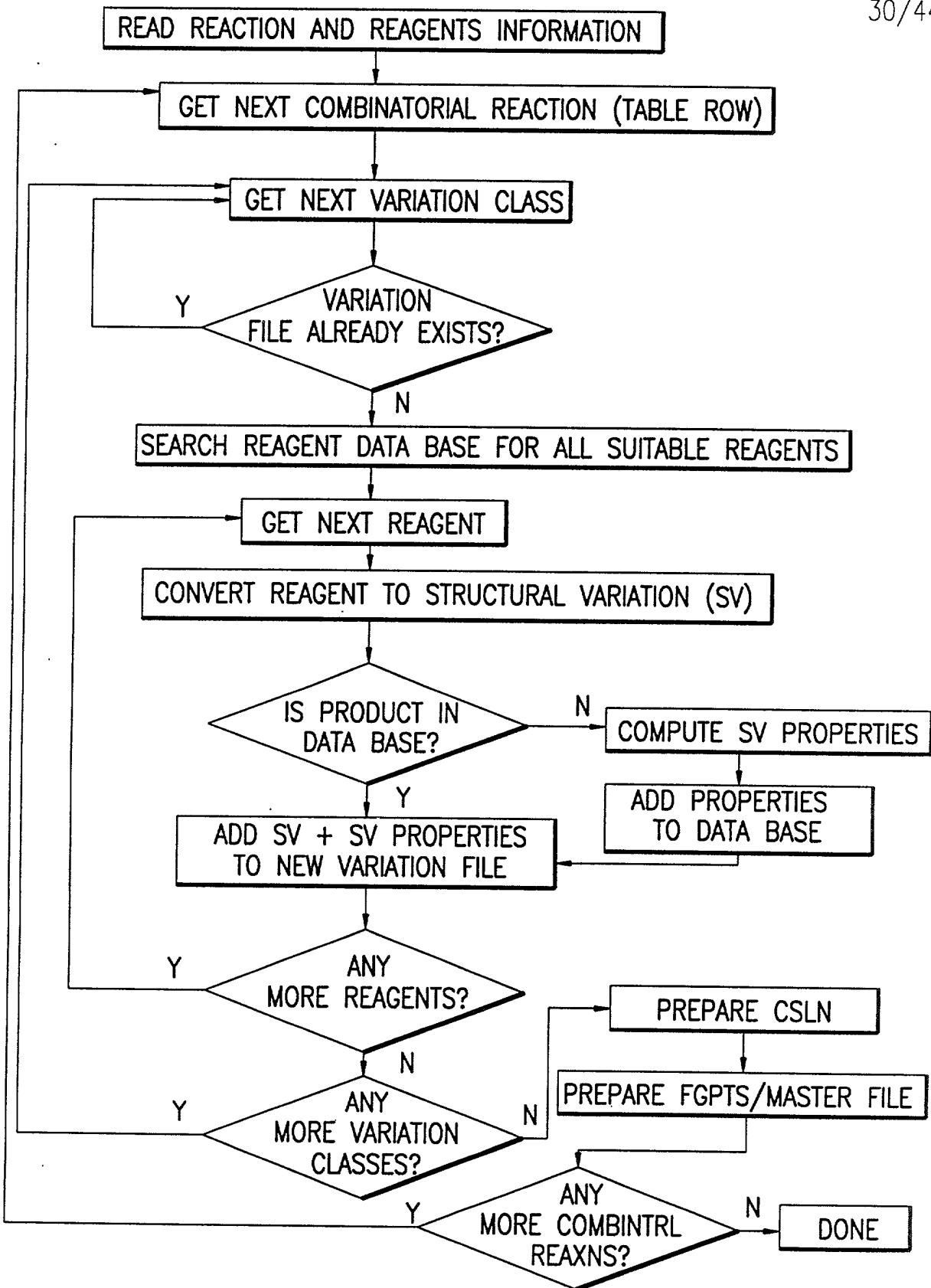


FIG.17

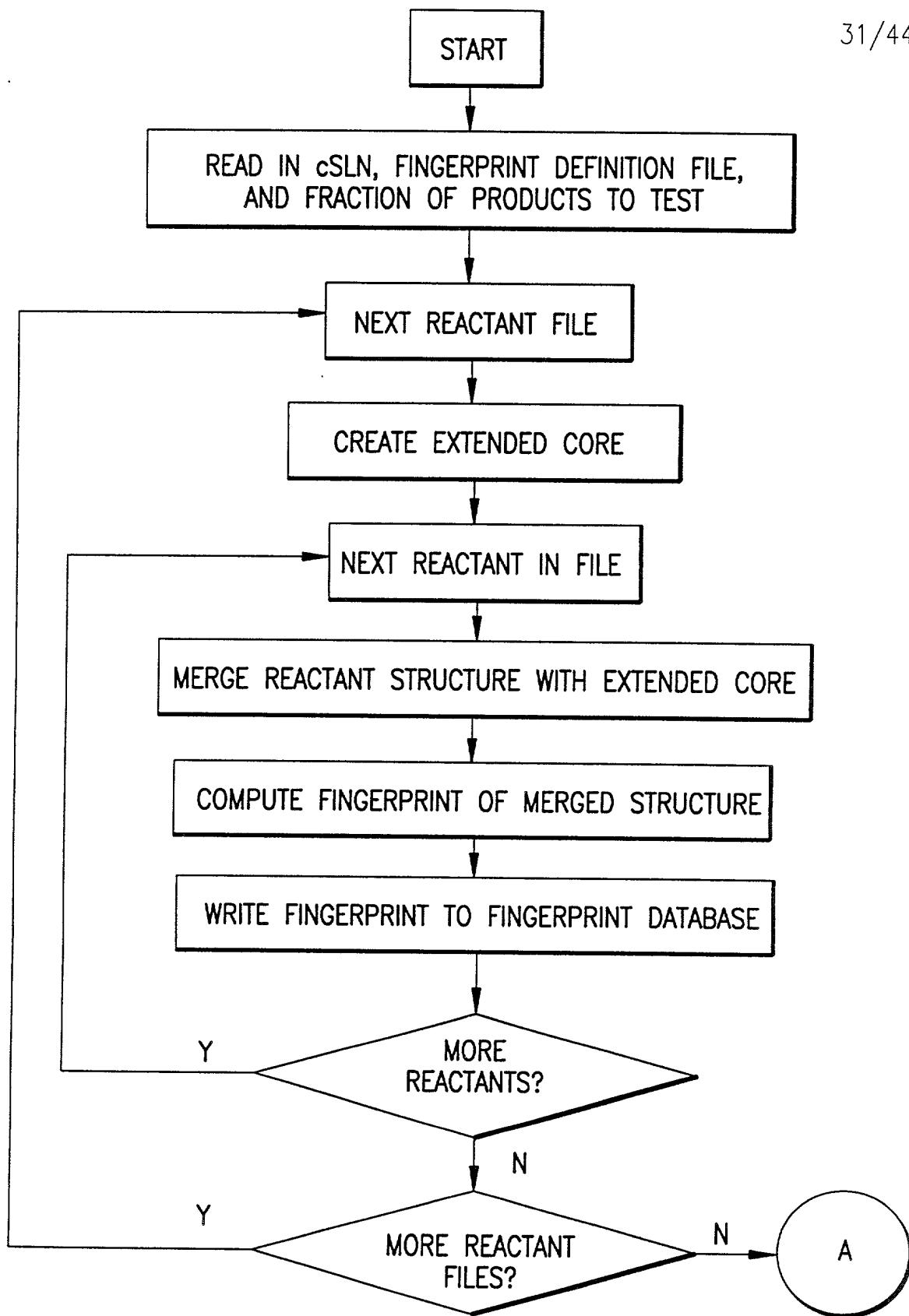


FIG.18

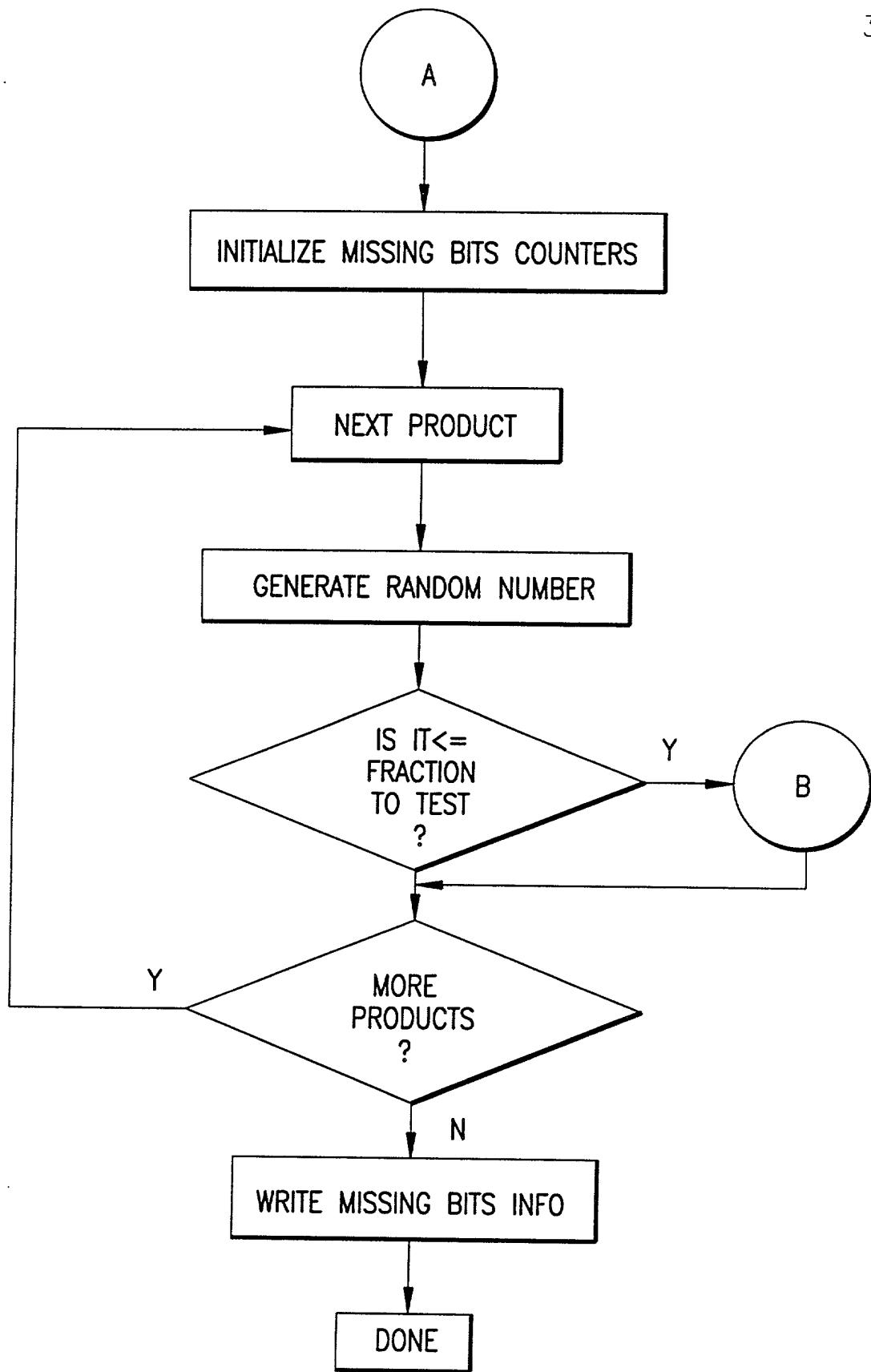


FIG.19

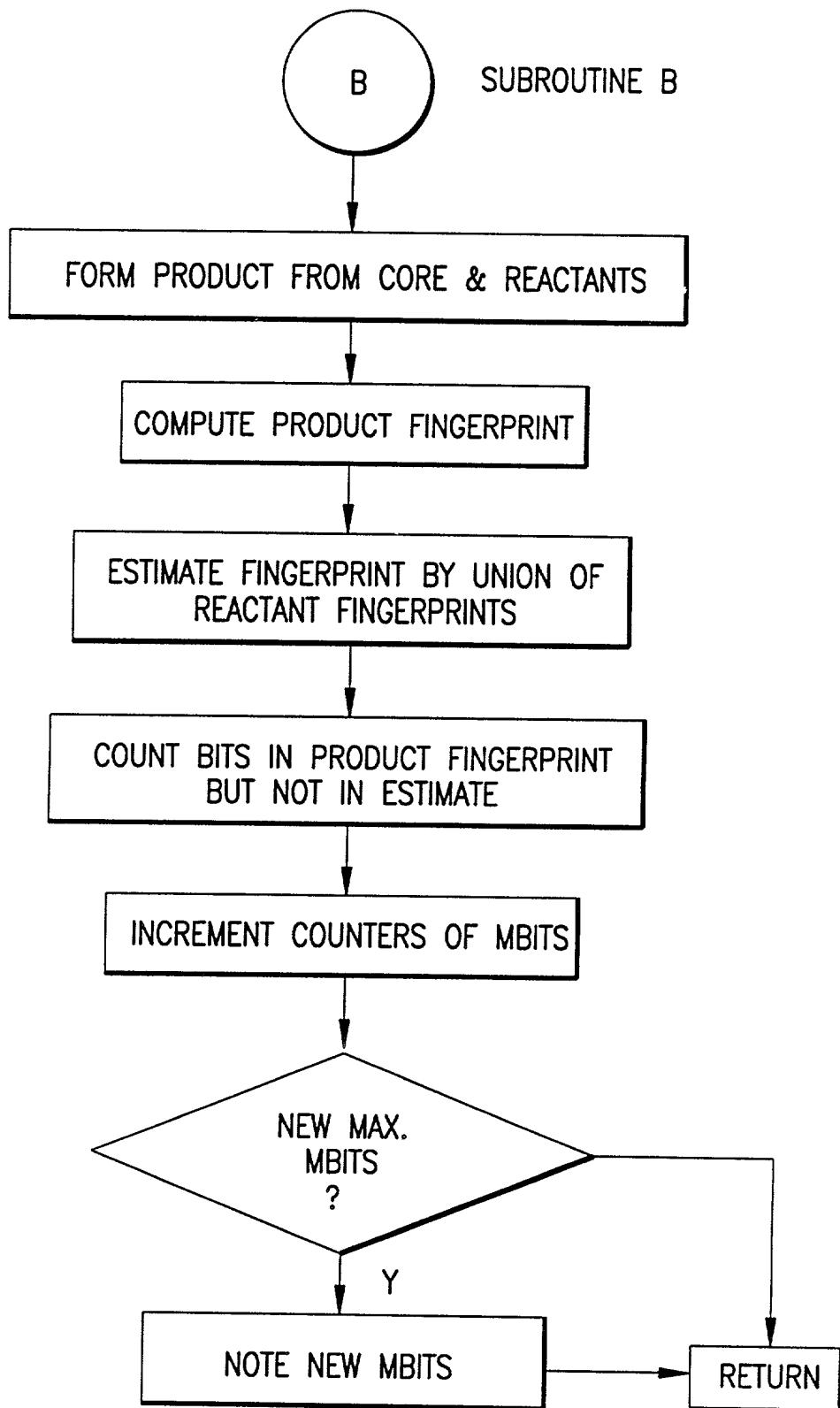


FIG.20

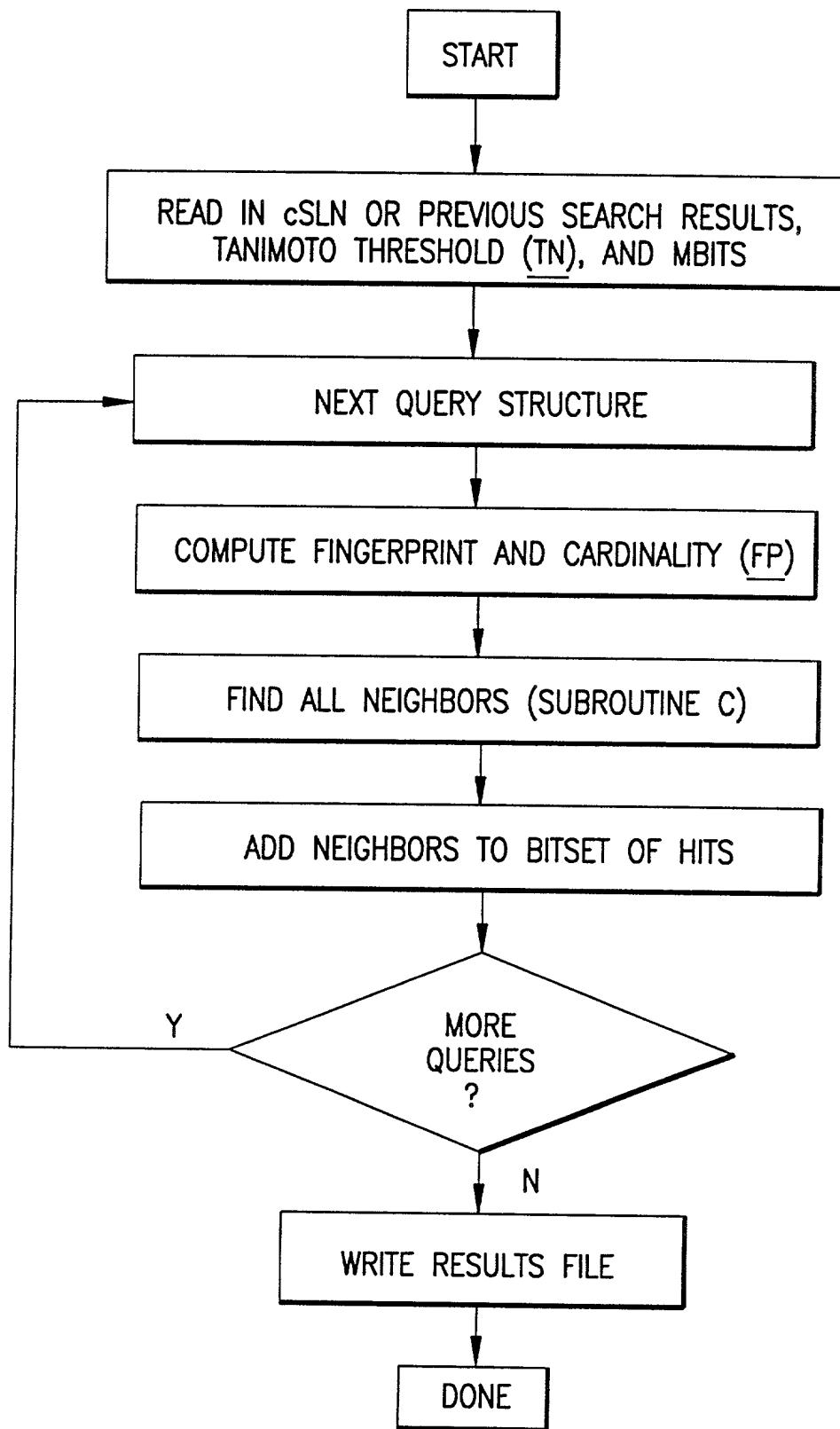


FIG.21

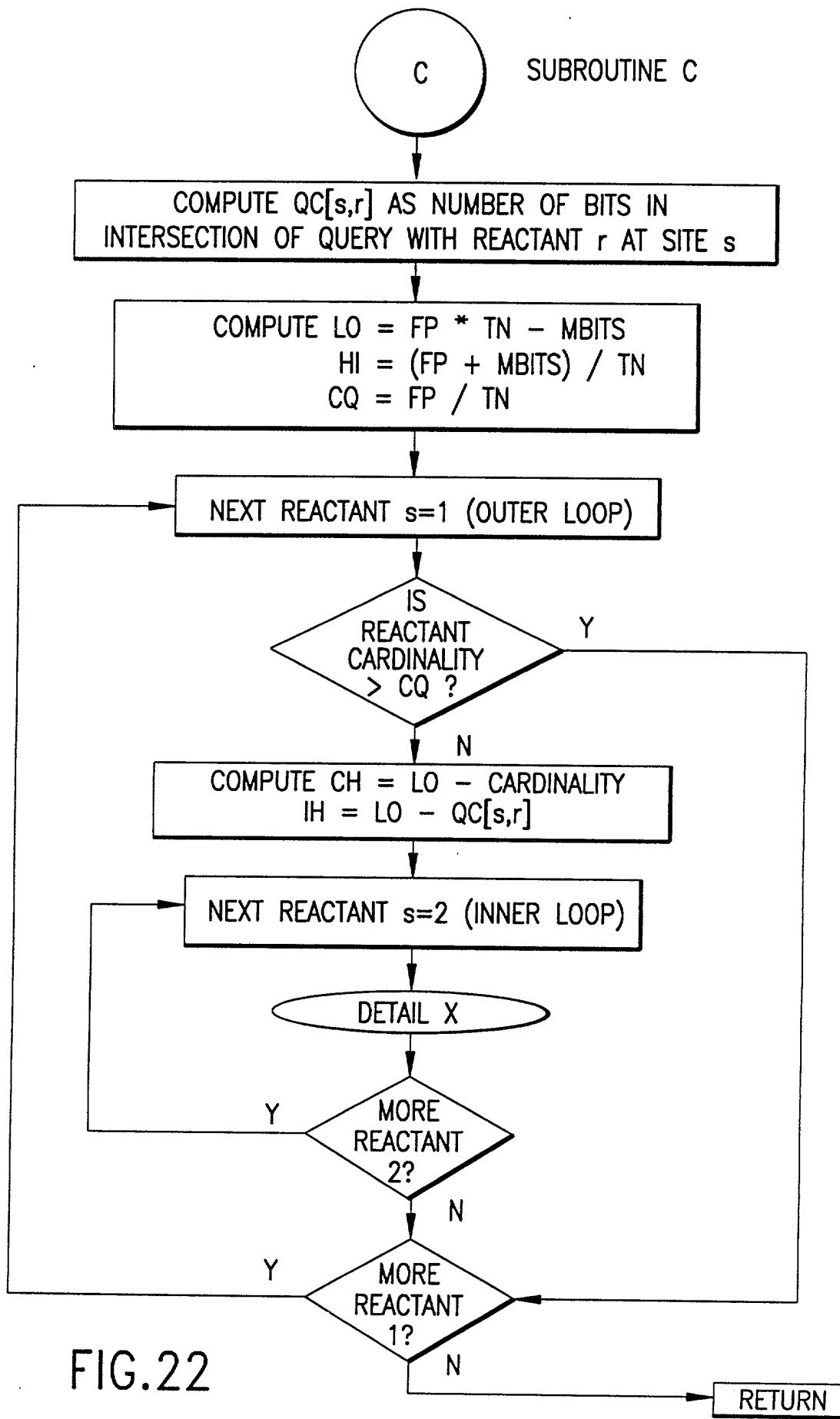


FIG.22

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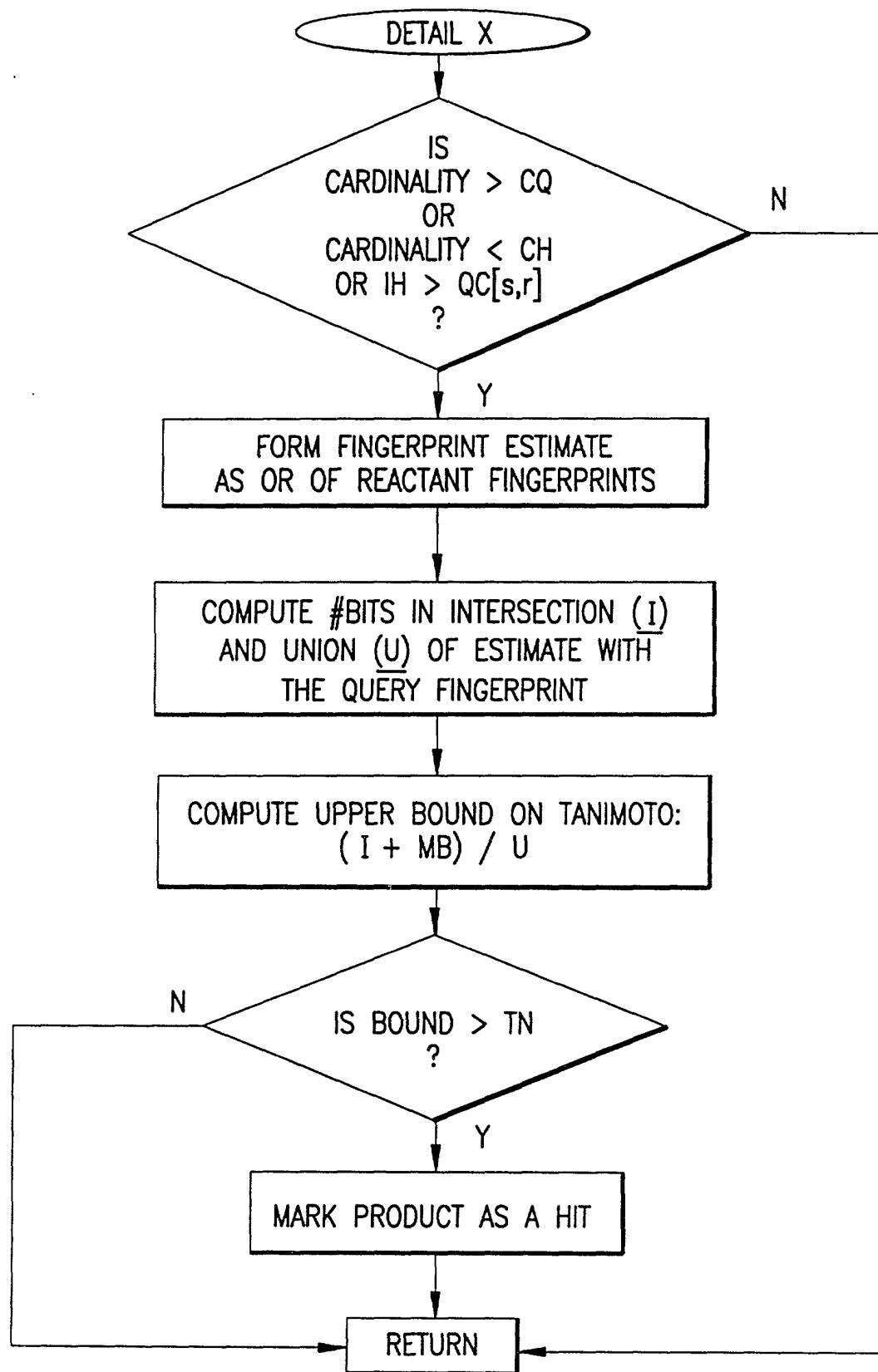
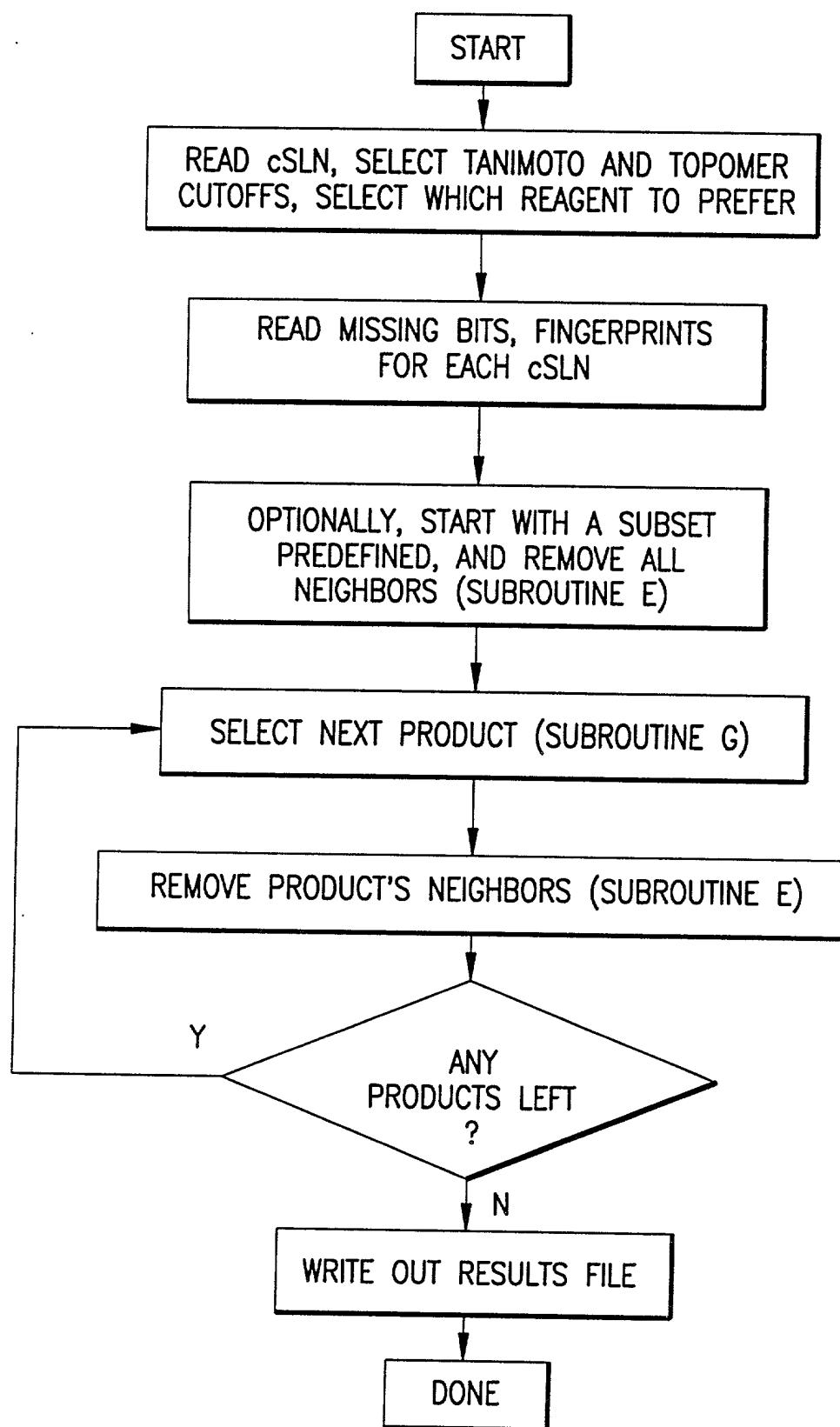


FIG.23



**FIG.24**

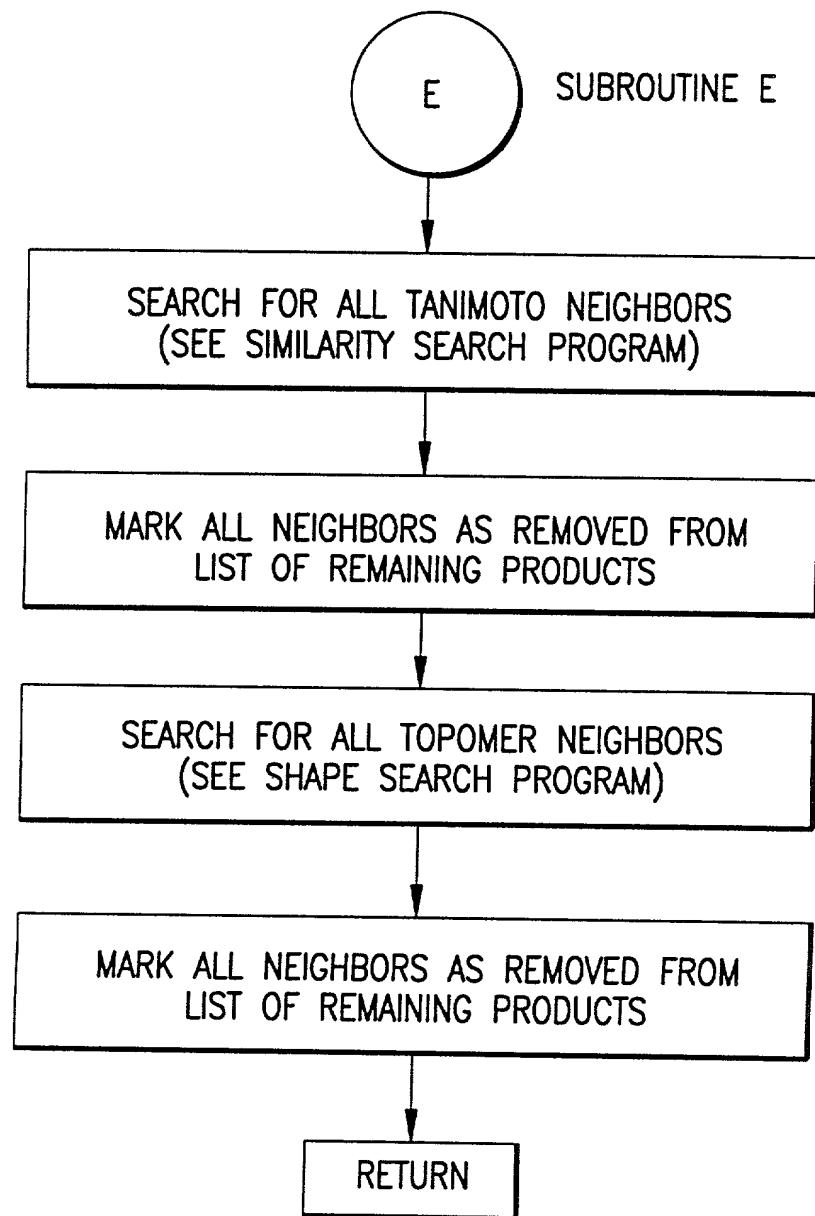


FIG.25

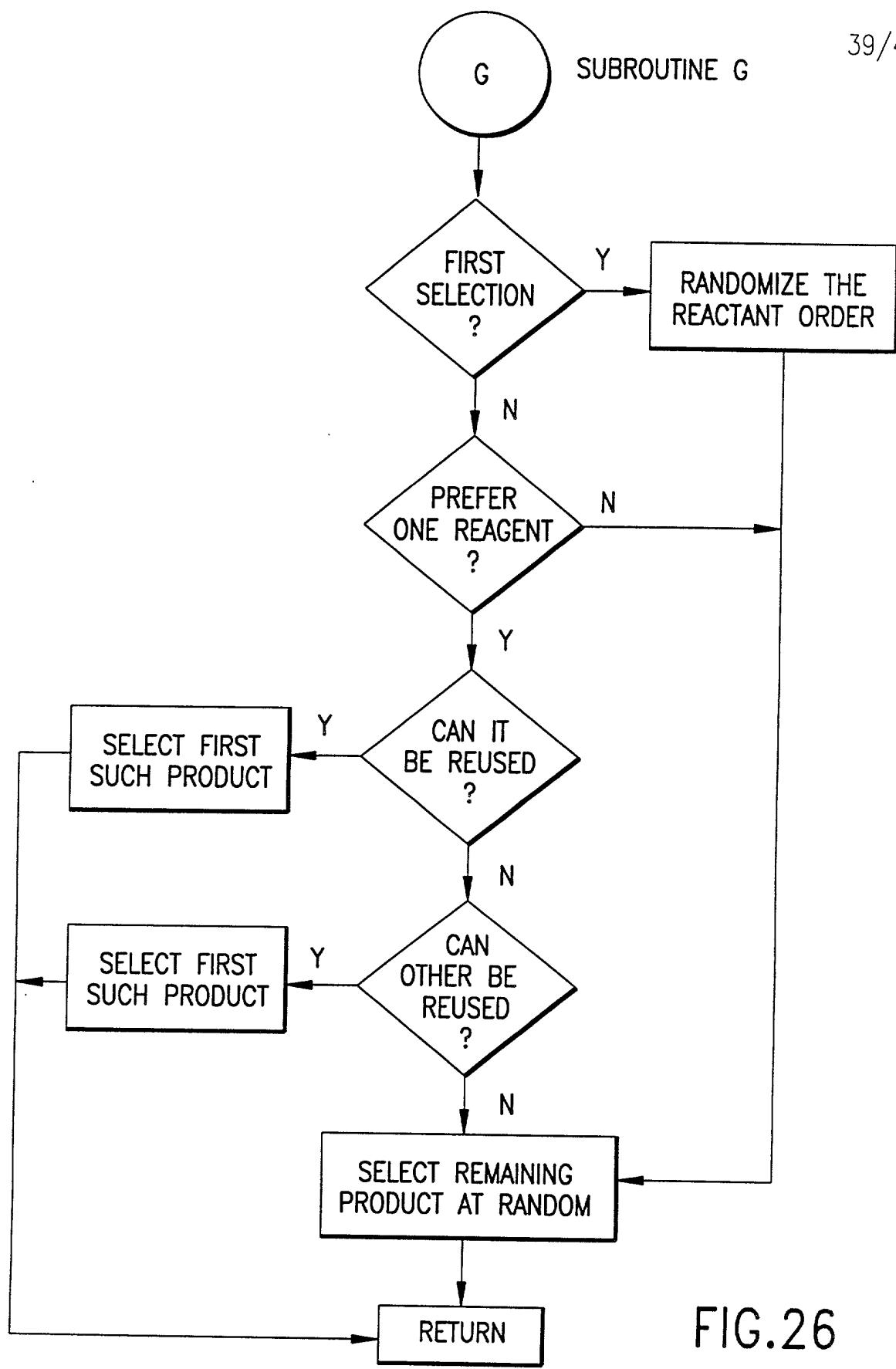


FIG.26

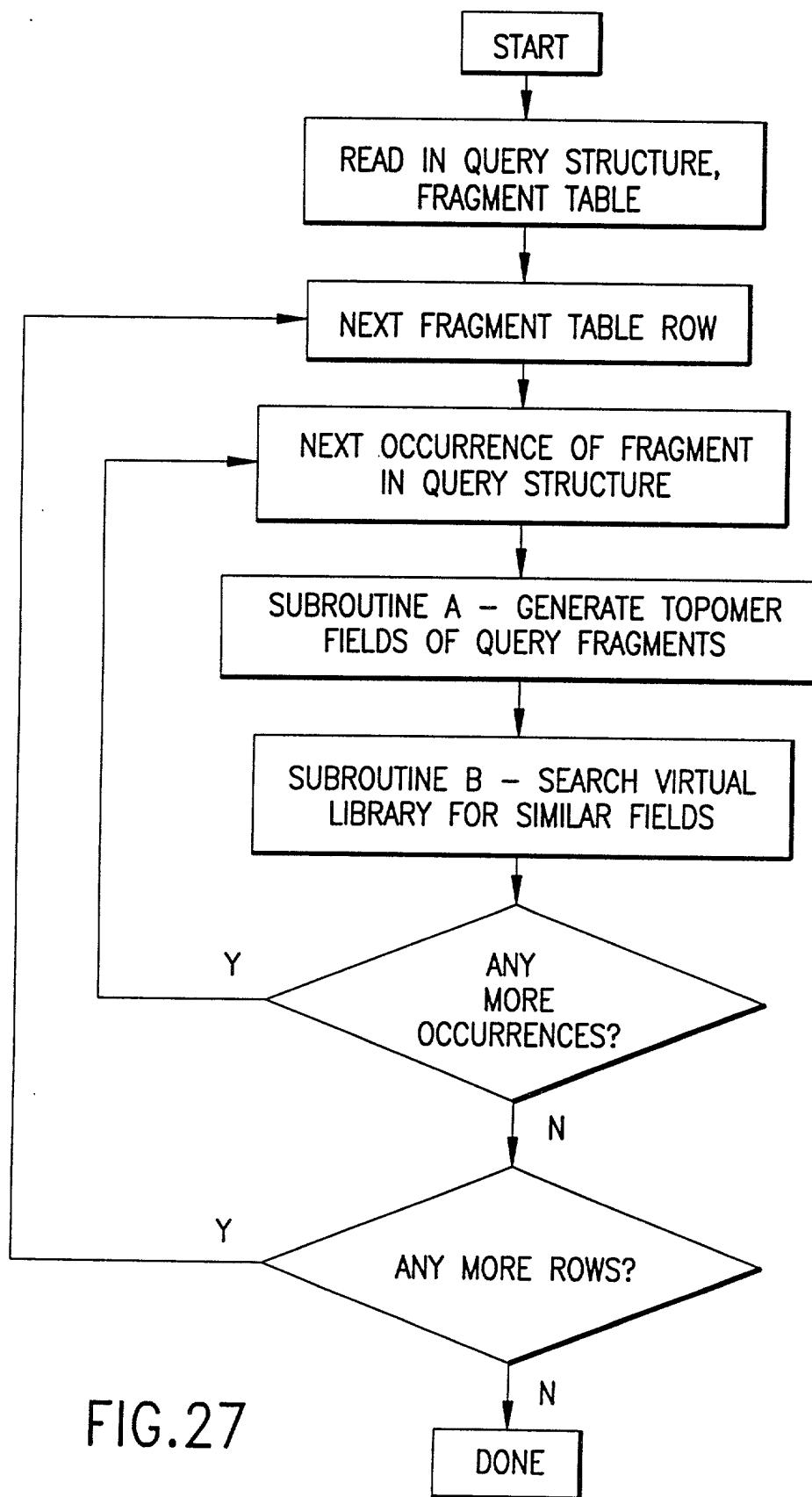


FIG.27

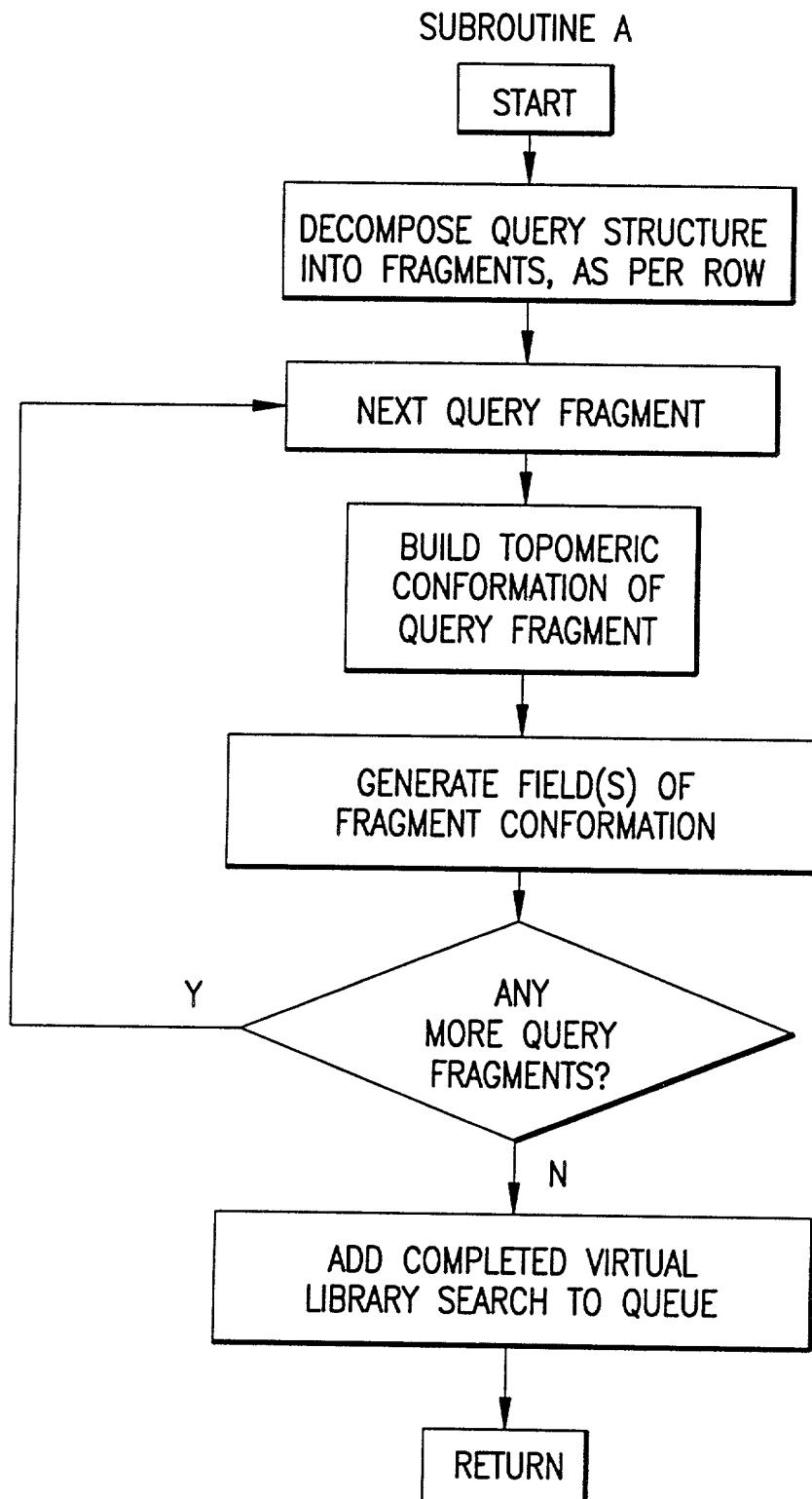


FIG.28

## SUBROUTINE B

42/44

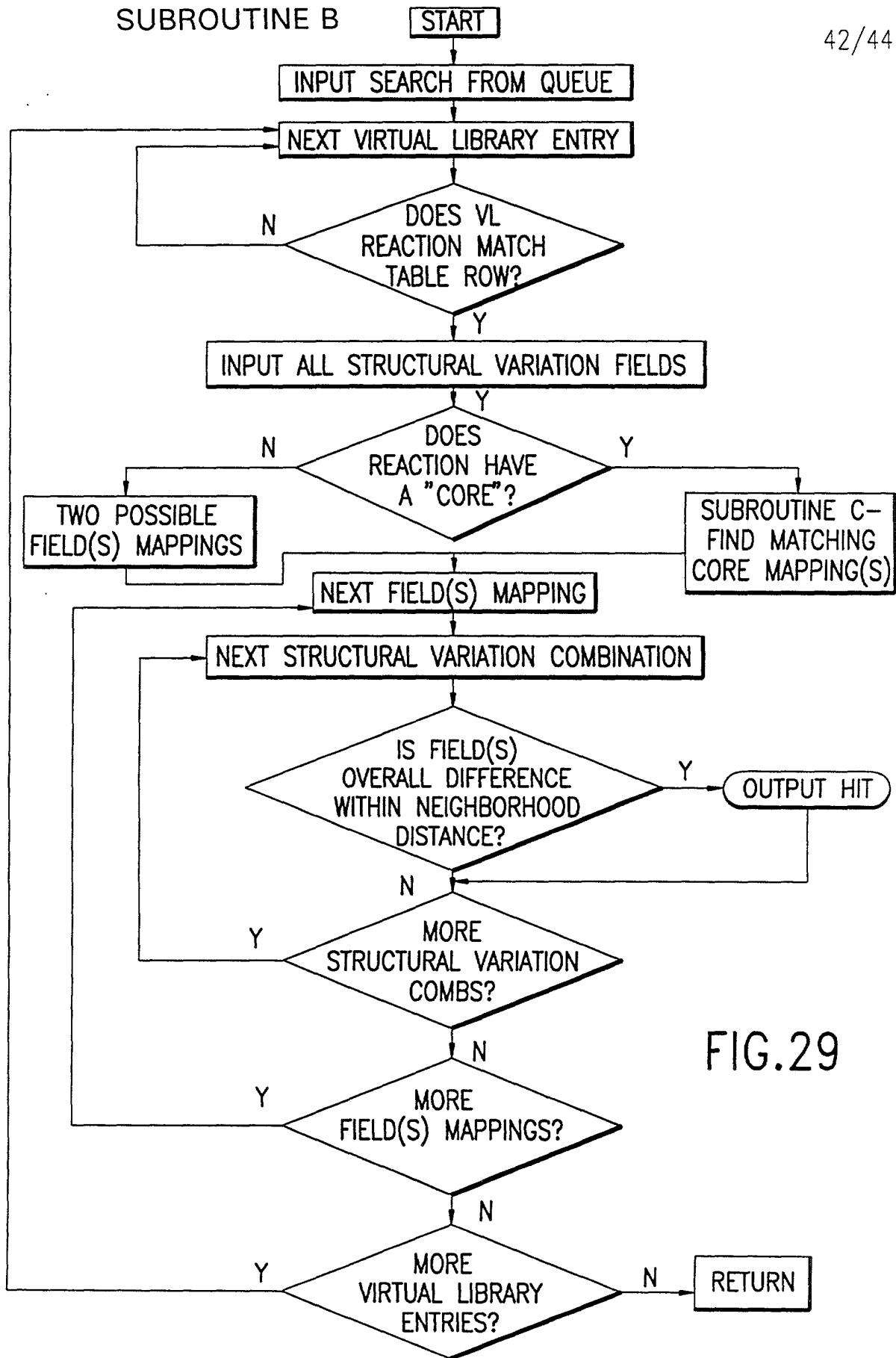


FIG.29

09866543 - 052501

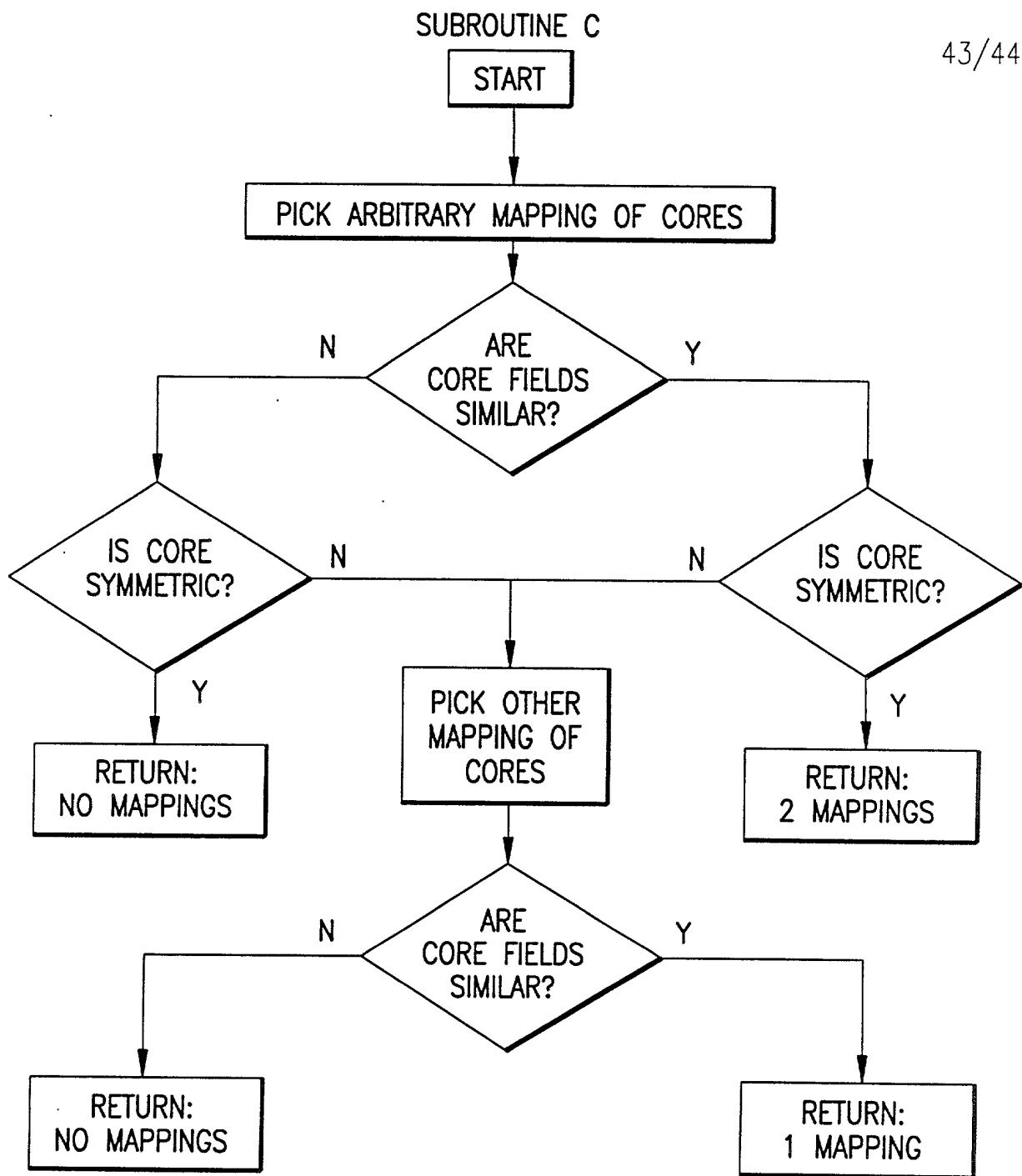


FIG.30

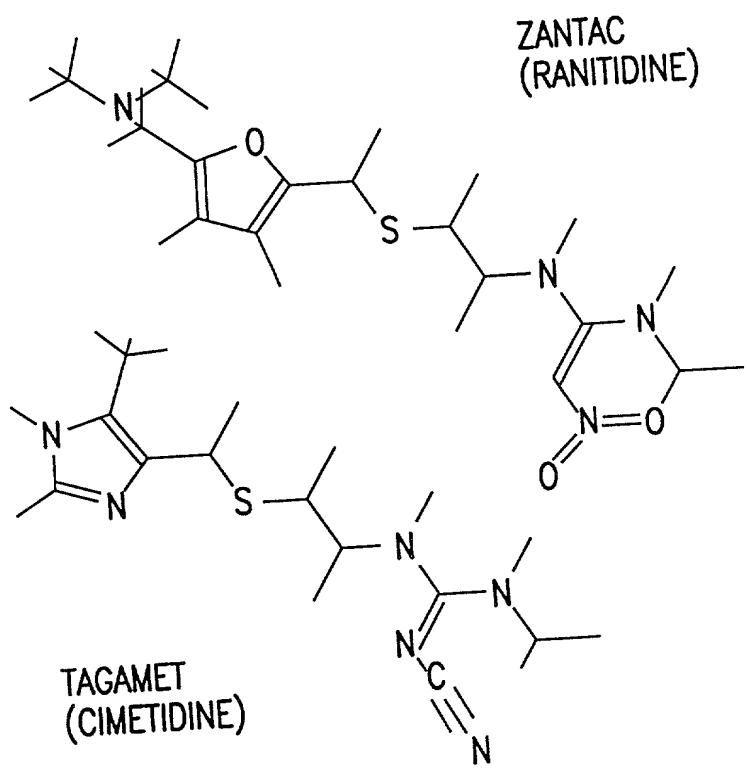


FIG.31